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MAY 1978 SUMMARY

M343

Reserve



FEDERAL MILK ORDER MARKET STATISTICS

MAY HIGHLIGHTS

MINIMUM CLASS I PRICE, \$11.23; BLEND, \$10.12

PRODUCER DELIVERIES DOWN 0.8 PERCENT

PRODUCER MILK USED IN CLASS I UP 3.8 PERCENT

49 PERCENT OF DELIVERIES USED IN CLASS I

IN-AREA FLUID MILK SALES (ADJUSTED) UP 0.6 PERCENT

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
DAIRY DIVISION
WASHINGTON, D.C.
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PROCUREMENT SECTION
CURRENT SERIAL RECORDS

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* Producer Milk Marketed Under Federal *
* Milk Orders by State of Origin *
*

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* SPECIAL THIS ISSUE - Page 41 *
*
* Adjusting in-area sales data *
* for calendar composition *
*

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
DAIRY DIVISION
WASHINGTON, D.C.

ISSUED - July 1978

FMOS - 221

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FEDERAL MILK ORDER MARKET STATISTICS

Summary of Producer deliveries, producer deliveries used in Class I, and prices

Year	Number of markets	Average number of producers	Producer deliveries per year 1/::	Change from prev. year 1/::	Average daily deliveries per producer	Deliveries used in Class I	Change from prev. utilization	Class I utilization year 1/::	Prices per 100 Pounds (3.5 percent)	
									Pclass I	Blend
No.	Number	Bil. lb.	Pct.	Pounds	Bil. lb.	Pct.	Percent		Dollars	Dollars
1973	61	131,565	66.2	-3.6	1,386	40.5	-1.0	61	8.03	7.31
1974	61	126,094	67.8	2.3	1,473	39.3	-3.0	58	9.35	8.36
1975	56	123,855	69.2	2.2	1,532	40.1	2.1	58	9.36	8.64
1976	50	122,675	74.6	7.4	1,661	41.0	1.9	55	10.70	9.75
1977	47	122,733	77.9	4.8	1,740	41.1	.6	53	10.59	9.69

Percentages computed from unrounded pounds. Data for 1976 adjusted to a 365-day basis before computing percentage changes.

1/ Percentages computed from unrounded bounds.

2/ Based on markets where orders were effective percentages computed if all owned power.

3/ Average or total. May not add due to rounding.
Includes Iowa.

Summary of packaged fluid milk and fluid cream product sales 1/

1/ Total packaged disposition, in and out of the marketing area, by regulated handlers. Besides receipts from producers, these dispositions also may include receipts from other Federal order plants and/or receipts from other sources.

skim and lowfat milk, and buttermilk.

cream, and cream dips.

Spring and yogurt. In 1970, there was a chance in the reporting of the sales of cream.

During January 19⁴/₄, there was a change in the reporting of the sales of cream items. As a result, the percent change over the previous year is somewhat overstated.

8/ Represents the data for all Federal markets can be found on tables 10 and 11.

Summary of milk, skim milk, and cream utilized in manufactured products and uses 1/

Year	BUTTER			CHEESE			FROZEN DESSERTS			COTTAGE CHEESE			SKIM MILK POWDER			TOTAL 2/			
	No. of mktg. 1b.	Percent		Change: Mil. over Bf. prev. Year 3/	Percent														
		Change: over 1b.	Percent		Change: over 1b.	Percent		Change: over 1b.	Percent		Change: over 1b.	Percent		Change: over 1b.	Percent		Change: over 1b.	Percent	
1974	61	1,026	2.4	37.2	10,878	41.3	3.78	2,534	3.8	11.3	4,046	-7.8	1.15	5,932	15.3	.07	30,844	10.6	4.28
1975	56	984	-1.4	38.2	11,621	7.4	3.80	2,868	16.5	11.7	4,126	-1.5	1.11	5,926	-1.1	.07	31,397	4.2	4.38
1976	50	1,043	11.4	40.2	14,961	26.8	3.75	2,874	2.7	12.0	4,187	5.9	1.16	6,480	9.4	.08	35,684	13.1	4.36
1977	46	1,048	14.1	39.9	14,900	12.6	3.77	2,703	1.7	11.9	3,277	-2.4	1.07	6,803	12.7	.08	34,016	9.0	4.45
1978 2/	115	0.8	4.0.3	1,221	3.4	3.88	151	-4.3	14.0	246	-6.6	1.02	468	-2.7	.09	2,597	1.0	5.00	
Jan.	46	102	.3	40.7	1,188	5.8	3.85	167	-1.4	13.5	24.9	-12.8	.96	426	-7.9	.10	2,496	.8	4.89
Feb.	46	109	5.0	40.5	1,404	7.7	3.83	218	-8.1	12.3	294	-12.1	.99	546	-4.7	.09	3,011	2.6	4.66
Mar.	46	104	-.5	39.7	1,475	1.7	3.73	229	1.3	12.1	275	-15.5	.94	605	-10.1	.09	3,129	-.7	4.37
Apr.																			
May																			
June																			
July																			
Aug.																			
Sept.																			
Oct.																			
Nov.																			
Dec.																			
Year to date	431	1.4	40.3	5,288	4.6	3.82	764	-3.3	12.8	1,065	-11.9	.98	2,045	-6.6	.09	11,233	.9	4.71	

1/ Includes producer milk and some other source milk used to produce manufactured dairy products in regulated pool plants as well as milk diverted and shipped to non-order plants for processing. Some data are partially estimated.

2/ Includes, in addition to listed manufactured products, milk, skim milk, and cream used in other manufactured products, i.e. evaporated milk, condensed milk, whole milk powder, aerated, and frozen and plastic cream; milk, skim milk, and cream used in food products as well as used in animal feed, dumped or spilled, plant loss and undenatured.

3/ Percentage changes over previous year are based on pounds of butterfat, except for skim milk powder which are based on pounds of skim milk.

4/ Data for 1976 adjusted to a 365-day basis before computing percentage changes.
5/ Excludes New York-New Jersey.

Summary of packaged sales of fluid milk products in marketing areas defined by Federal milk orders 1/

Year	No. of comp. mktcs.	Whole milk items 2/		Lowfat and skim milk items 3/		Total fluid milk items	
		Percent		Percent		Percent	
		Mil. lb.	Change over previous year 4/	Mil. lb.	Change over previous year 4/	Mil. lb.	Change over previous year 4/
1974 6/	57	22,243	- 6.2	3,411	9,724	6.5	6.6
1975 7/	55	22,180	- .9	3,36	10,757	9.8	1.49
1976 8/	48	21,685	- 3.0	3.34	11,640	7.2	1.50
1977 9/	46	22,058	- 3.3	3.32	12,772	6.5	1.49
1978 7/	46	1,923	- 1.0	4	3.34	1,149	6.0
February	46	1,730	- 1.2	3.34	3.34	1,059	6.1
March	46	1,900	- 2.6	3.3	3.33	1,176	4.6
April	46	1,758	- 5.1	1.6	3.32	1,104	3.1
May 2/	46	1,825	.5	2.5	3.32	1,141	9.2
June							
July							
August							
September							
October							
November							
December							
Year to date	—	9,137	- 1.9	- 1.7	3.33	5,630	5.8

Year	No. of comp. mktcs.	Whole milk items 2/		Lowfat and skim milk items 3/		Total fluid milk items	
		Percent		Percent		Percent	
		Mil. lb.	Change over previous year 4/	Mil. lb.	Change over previous year 4/	Mil. lb.	Change over previous year 4/
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May 2/	46	1,825	.5	2.5	3.32	1,141	9.2
June							
July							
August							
September							
October							
November							
December							
Year to date	—	9,137	- 1.9	- 1.7	3.33	5,630	5.8

1/ In-area sales represent total sales in each of the areas by handlers regulated under other orders, by partially regulated handlers, and by producer-handlers. Sales routes of handlers may extend outside defined marketing areas; therefore, some handler in-area sales are partially estimated.

2/ Plain and flavored whole milk.

3/ Plain, fortified, and flavored skim and lowfat milk and buttermilk.

4/ Percentages based on the same number of comparable markets in both years. Data for 1976 adjusted to a 365-day basis before computing percentage changes.

5/ Adjusted to eliminate variations in data due to calendar composition and seasonality. See special article in this issue.

6/ Excludes the New York-New Jersey, Fort Smith, Lake Mead, Western Colorado, and Mississippi markets.

7/ Excludes the New York-New Jersey market.

8/ Excludes the New York-New Jersey and New Orleans-Mississippi markets.

9/ Estimated.

Table 1.—Federal order fluid differentials, June and July 1978; minimum Class I prices for milk of 3.5 percent butterfat content f.o.b. market or other indicated point* and butterfat differentials, June 1977 and 1978; and Class I price July 1977 and 1978

Marketing area	June			July			June			July		
	1978			1977			1978			1977		
	<u>Dollars</u>	<u>Cents</u>	<u>Dollars</u>	<u>Cents</u>	<u>Dollars</u>	<u>Cents</u>	<u>Dollars</u>	<u>Cents</u>	<u>Dollars</u>	<u>Cents</u>	<u>Dollars</u>	<u>Cents</u>
NEW ENGLAND												
New England	2.98	12.22	11.58	12.3	11.6	12.23	11.60	12.3	11.6	12.3	11.6	12.3
MIDDLE ATLANTIC	2.61	11.85	11.24	12.3	11.6	11.86	11.26	12.3	11.6	12.3	11.6	12.3
New York-New Jersey	2.78	12.02	11.38	12.3	11.6	12.03	11.40	12.3	11.6	12.3	11.6	12.3
Middle Atlantic	2.30	11.54	10.90	12.3	11.6	11.55	10.92	12.3	11.6	12.3	11.6	12.3
SOUTH ATLANTIC	2.95	12.19	11.55	12.3	7.5	12.20	11.57	Paducah	1.70	10.94	10.30	12.3
Tampa Bay	3.15	12.39	11.75	12.3	7.5	12.40	11.77	Nashville	1.85	11.09	10.45	12.3
Southeastern Florida	2.85	12.09	11.45	12.3	7.5	12.10	11.47	Memphis	1.94	11.18	10.54	12.3
Upper Florida								Tennessee Valley	2.10	11.34	10.70	12.3
Georgia												
EAST NORTH CENTRAL	1.60	10.84	10.20	12.1	11.4	10.85	10.22	Northern Group	1.94	11.18	10.54	12.3
Southern Michigan	1.85	11.09	10.45	12.3	11.6	11.10	10.47	Central Arkansas	1.95	11.19	10.55	12.3
Eastern Ohio-W. Pa.	1.70	10.94	10.30	12.3	11.6	10.95	10.32	Fort Smith	1.98	11.22	10.58	12.3
Ohio Valley								Oklahoma Metropolitan	2.20	11.44	10.80	12.3
Western Group	1.35	10.59	9.95	13.3	12.6	10.60	9.97	Red River Valley	2.25	11.49	10.85	12.3
Mich. Upper Peninsula	1.26	10.50	9.86	12.3	11.6	10.51	9.88	Texas Panhandle	2.42	11.66	11.02	12.3
Chicago Regional	1.70	10.94	10.30	12.3	11.6	10.95	10.32	Lubbock-Plainview				
Louis.-Lex.-Evans.	1.47	10.71	10.07	12.3	11.6	10.72	10.09	Southern Group	2.47	11.71	11.07	12.3
Indiana	2.153	10.77	10.13	12.3	11.6	10.78	10.15	Greater Louisiana	2.85	12.09	11.45	12.3
Southern Illinois	1.39	10.63	9.99	12.3	11.6	10.64	10.01	New Orleans-Mississippi	2.32	11.56	10.92	12.3
Central Illinois								Texas				
WEST NORTH CENTRAL	1.12	10.36	9.72	12.3	11.6	10.37	9.74	Eastern Colorado	2.30	11.54	10.90	12.8
Northern Group	1.40	10.64	10.00	12.3	11.6	10.65	10.02	Great Basin	1.90	11.14	10.50	12.3
Upper Midwest	1.95	11.19	10.55	12.8	12.1	11.20	10.57	Western Colorado	2.00	11.24	10.60	12.8
Eastern South Dakota	1.40	10.64	10.00	12.3	11.6	10.65	10.02	Central Arizona	2.52	11.76	11.12	12.3
Black Hills	1.40	10.64	10.00	12.3	11.6	10.65	10.02	Rio Grande Valley	2.35	11.59	10.95	12.3
Iowa	1.60	10.84	10.20	12.3	11.6	10.85	10.22	Lake Mead	1.60	10.84	10.20	12.8
Nebraska-Western Iowa												
PACIFIC												
Puget Sound									1.85	11.09	10.45	12.3
Inland Empire									1.95	11.19	10.55	12.3
Oregon-Washington									1.95	11.19	10.55	12.1

* Generally the major city in the marketing area. See footnotes on table 2 for location.

1/ The basic formula price is the Minnesota-Wisconsin price for the second preceding month adjusted to a 3.5 percent butterfat content.

2/ Tied to the St. Louis-Oarks order.

3/ Tied to the Oklahoma Metropolitan order.

TABLE 2.—FEDERAL ORDER MINIMUM CLASS AND BLEND PRICES FOR MILK OF 3.5 PERCENT BUTTERFAT CONTENT, F.D.8. MARKET OR OTHER INDICATED POINT, AND BUTTERFAT DIFFERENTIALS, MAY**

MARKETING AREA	PRICES PER 100 POUNDS								FAT DIFFERENTIAL 0.1%			
	CLASS I		BLEND		CLASS	CLASS	CLASS	BLEND	CLASS	CLASS	CLASS	BLEND
	MAY 1978	MAY 1977	MAY 1978	MAY 1977	MAY 1978				MAY 1978			
DOLLARS												CENTS
NEW ENGLAND												
NEW ENGLAND 1/	12.07	11.29	10.45	9.69	9.19	---	12.3	12.3	---	---	12.3	
AVERAGE 2/	12.07	11.29	10.45	9.69	---	---	12.3	12.3	---	---	12.3	
MIDDLE ATLANTIC												
NEW YORK-NEW JERSEY 3/	11.85	10.95	9.91	9.22	9.36	---	12.3	12.3	---	---	12.3	
MIDDLE ATLANTIC 4/	11.87	11.09	5/ 10.53	5/ 9.85	9.15	---	12.3	12.3	---	---	12.3	
AVERAGE 2/	11.86	11.01	10.12	9.44	---	---	12.3	12.3	---	---	12.3	
SOUTH ATLANTIC												
TAMPA BAY	12.04	11.26	11.73	11.12	9.40	---	12.3	12.3	---	---	12.3	
SOUTHEASTERN FLORIDA 6/	12.24	11.46	12.01	11.39	9.40	7/ 4.81	12.3	12.3	12.3	12.3	12.3	
UPPER FLORIDA 8/	11.94	11.16	11.74	11.20	9.40	---	12.3	12.3	---	---	12.3	
GEORGIA 9/	11.39	10.61	10.88	10.14	9.35	9.25	12.3	12.3	12.3	12.3	12.3	
AVERAGE 2/	11.81	11.03	11.42	10.78	---	---	12.3	12.3	---	---	12.3	
EAST NORTH CENTRAL												
EASTERN GROUP												
SOUTHERN MICHIGAN 10/	10.69	9.91	10.04	9.30	9.40	9.25	12.1	12.1	12.1	12.1	12.1	
EASTERN OHIO-WESTERN PA. 11/	10.94	10.16	12/ 9.84	12/ 9.10	9.35	9.25	12.3	12.3	12.3	12.3	12.3	
OHIO VALLEY 13/	10.79	10.01	9.92	9.17	9.35	9.25	12.3	12.3	12.3	12.3	12.3	
AVERAGE 2/	10.80	10.02	9.94	9.19	---	---	12.2	12.2	---	---	12.2	
WESTERN GROUP												
MICHIGAN UPPER PENINSULA 14/	15/ 10.44	9.66	9.81	9.13	9.25	---	13.2	12.3	---	---	12.7	
CHICAGO REGIONAL 16/	10.35	9.57	9.72	9.01	9.35	9.25	12.3	12.3	12.3	12.3	12.3	
LSVILLE-LXGTON-EVNSVILLE	10.79	10.01	9.71	8.95	9.35	9.25	12.3	12.3	12.3	12.3	12.3	
INDIANA 17/	10.56	9.78	12/ 10.10	12/ 9.14	9.35	9.25	12.3	12.3	12.3	12.3	12.3	
SOUTHERN ILLINOIS 18/	10.62	9.84	9.89	9.15	9.35	9.25	12.3	12.3	12.3	12.3	12.3	
CENTRAL ILLINDIS 19/	10.48	9.70	9.75	9.02	9.35	9.25	12.3	12.3	12.3	12.3	12.3	
AVERAGE 2/	10.48	9.71	9.78	9.03	---	---	12.3	12.3	---	---	12.3	
WEST NORTH CENTRAL												
NORTHERN GROUP												
UPPER MIDWEST 20/	10.21	9.43	9.49	8.83	9.35	9.25	12.3	12.3	12.3	12.3	12.3	
EASTERN SOUTH DAKOTA 21/	10.49	9.71	9.86	9.12	9.35	9.25	12.3	12.3	12.3	12.3	12.3	
BLACK HILLS 22/	11.04	10.26	10.14	9.22	9.25	---	12.6	11.7	---	12.1		
IDAHO 23/	10.49	9.71	9.83	9.10	9.35	9.25	12.3	12.3	12.3	12.3	12.3	
NEBRASKA - WESTERN IOWA 24/	10.69	9.91	12/ 9.92	12/ 9.16	9.35	9.25	12.3	12.3	12.3	12.3	12.3	
AVERAGE 2/	10.36	9.58	9.56	8.88	---	---	12.3	12.3	---	---	12.3	

* Major city in the marketing area. ** All averages are weighted. 1/ Nearby plant zone prices; Boston and Hartford are in this zone. Price at 201-210 mile zone: Class I and blend, 40 cents less; Class II, 5.8 cents less. 2/ Based on markets where orders were effective entire period, 1977-78, and which have had no significant marketing area changes. Excludes Iowa. 3/ New York City metropolitan area. Price excludes a 15-cent direct delivery differential in 1978, 5 cents in 1977. Prices at 201-210 mile zone: Class I and blend, 36 cents less in 1978, 24 cents less in 1977; Class II eight cents less. 4/ Philadelphia, Baltimore, and Washington, D.C. Price excludes a 6-cent delivery differential applicable to milk delivered to Philadelphia. 5/ Seven cents for advertising and promotion has been deducted from the blend price. 6/ Miami. 7/ Applies to the skim milk portion of all milk which is either disposed of for fertilizer or livestock feed or dumped. 8/ Jacksonville and Tallahassee. 9/ Atlanta. 10/ Price excludes direct delivery differentials applicable to milk delivered to Detroit of 8 cents in 1977 and 10 cents in 1978. 11/ Zone I (Erie, Pennsylvania). Class I and blend price at Toledo (Northwestern zone) five cents less and at Charleston, West Virginia (Southeastern zone) 5 cents more. 14/ Zone 2 (Marquette). 15/ Individual handler pool. Blend prices are weighted averages of all handlers, 1977-78. 16/ Zone I (Chicago). Class I and blend price at Milwaukee (Zone 4) 9 cents less. 17/ Indianapolis. 18/ Base zone (Alton). Class I and blend price at Carbondale (southeastern zone) seven cents more. 19/ Peoria. 20/ Zone I (Minneapolis). 21/ Sioux Falls. 22/ Rapid City, South Dakota. 23/ Zone I (Des Moines). Class I prices at other points in the marketing area: Rock Island, IL., minus seven cents; Waterloo, minus sixteen cents. 24/ Zone I (Omaha).

TABLE 2.-FEDERAL ORDER MINIMUM CLASS AND BLEND PRICES FOR MILK OF 3.5 PERCENT BUTTERFAT CONTENT, F.O.B. MARKET OR OTHER INDICATED POINT, AND BUTTERFAT DIFFERENTIALS, MAY** 1978.

MARKETING AREA	PRICES PER 100 POUNDS								FAT DIFFERENTIAL 0.1%			
	CLASS I		BLEND		CLASS	CLASS	CLASS		BLEND			
	MAY	1978	MAY	1978	II	III	I	II	III	MAY		
											DOLLARS	CENTS
WEST NORTH CENTRAL -CON.												
SOUTHERN GROUP												
ST LOUIS - OZARKS	25/	10.69	9.91	12/ 9.85	12/ 9.09	9.35	9.25	12.3	12.3	12.3	12.3	
GREATER KANSAS CITY	26/	10.83	10.05	12/ 10.08	12/ 9.25	9.35	9.25	12.3	12.3	12.3	12.3	
NEOSHO VALLEY	27/	10.74	9.96	12/ 10.51	12/ 9.75	9.35	9.25	12.3	12.3	12.3	12.3	
WICHITA	28/	10.89	10.11	12/ 10.16	12/ 9.39	9.35	9.25	12.3	12.3	12.3	12.3	
AVERAGE	2/	10.74	9.97	9.95	9.18	---	---	12.3	---	---	12.3	
EAST SOUTH CENTRAL												
PADUCAH		10.79	10.01	9.98	9.21	9.35	9.25	12.3	12.3	12.3	12.3	
NASHVILLE		10.94	10.16	10.19	9.32	9.35	9.25	12.3	12.3	12.3	12.3	
MEMPHIS	29/	11.03	10.25	12/ 10.72	12/ 9.93	9.35	9.25	12.3	12.3	12.3	12.3	
TENNESSEE VALLEY	30/	11.19	10.41	10.68	9.92	9.35	9.25	12.3	12.3	12.3	12.3	
AVERAGE	2/	11.09	10.31	10.53	9.72	---	---	12.3	---	---	12.3	
WEST SOUTH CENTRAL												
NORTHERN GROUP	31/											
CENTRAL ARKANSAS	32/	11.03	10.25	12/ 10.72	12/ 9.77	9.35	9.25	12.3	12.3	12.3	12.3	
OKLAHOMA METROPOLITAN	33/	11.07	10.29	12/ 10.30	12/ 9.55	9.35	9.25	12.3	12.3	12.3	12.3	
RED RIVER VALLEY	34/	11.29	10.51	12/ 10.66	12/ 9.85	9.35	9.25	12.3	12.3	12.3	12.3	
TEXAS PANHANDLE	35/	11.34	10.56	12/ 10.96	12/ 9.73	9.35	9.25	12.3	12.3	12.3	12.3	
LUBBOCK - PLAINVIEW		11.51	10.73	12/ 11.26	12/ 10.23	9.35	9.25	12.3	12.3	12.3	12.3	
AVERAGE	2/	11.12	10.34	10.50	9.67	---	---	12.3	---	---	12.3	
SOUTHERN GROUP												
GREATER LOUISIANA	36/	11.56	10.78	11.11	10.40	9.35	9.25	12.3	12.3	12.3	12.3	
NEW ORLEANS-MISSISSIPPI	37/	11.94	11.16	11.07	10.34	9.35	9.25	12.3	12.3	12.3	12.3	
TEXAS	38/	11.41	10.63	12/ 10.81	12/ 9.95	9.35	9.25	12.3	12.3	12.3	12.3	
AVERAGE	2/	11.54	10.76	10.91	10.09	---	---	12.3	---	---	12.3	
MOUNTAIN												
EASTERN COLORADO	39/	11.39	10.61	10.81	10.07	9.40	9.25	13.7	12.8	12.8	13.3	
GREAT BASIN	40/	10.99	10.21	10.23	9.39	9.40	9.25	12.6	12.3	12.3	12.4	
WESTERN COLORADO	41/	11.09	10.31	10.75	9.59	9.30	9.25	12.6	12.8	12.8	12.7	
CENTRAL ARIZONA	42/	11.61	10.83	10.77	9.83	9.35	9.25	12.3	12.3	12.3	12.3	
RIO GRANDE VALLEY	43/	11.44	10.66	12/ 10.71	12/ 10.10	9.35	9.25	12.3	12.3	12.3	12.3	
LAKE MEAD	44/	10.69	9.91	10.40	9.52	9.40	9.25	12.6	12.3	12.3	12.5	
AVERAGE	2/	11.33	10.55	10.62	9.79	---	---	12.8	---	---	12.6	
PACIFIC												
PUGET SOUND	45/	10.94	10.16	9.95	9.23	9.50	9.25	12.3	12.3	12.3	12.3	
INLAND EMPIRE	46/	11.04	10.26	10.16	9.36	9.50	9.25	12.6	12.3	12.3	12.5	
OREGON - WASHINGTON	47/	11.04	10.26	10.24	9.48	9.50	9.25	12.6	12.3	12.3	12.4	
AVERAGE	2/	11.00	10.22	10.09	9.35	---	---	12.5	---	---	12.4	
45-MARKET AVERAGE	2/ 31/	11.23	10.44	10.12	9.39	48/ 9.33	---	12.3	---	---	12.3	
ALL-MARKET AVERAGE		11.22	10.42	10.12	9.38	48/ 9.33	---	12.3	---	---	12.3	

25/ Zone I (St. Louis and Springfield). 26/ Kansas City and Topeka. 27/ Pittsburg, Kansas. 28/ Zone I (Wichita). 29/ Individual handler pool. Blend prices are weighted averages of all handlers, 1977-78. 30/ Bristol, Chattanooga, and Knoxville. 31/ Excludes Fort Smith. Fewer than three handlers. Fort Smith prices: Class I 1978, \$11.04, and 1977, \$10.26; Blend 12/ 1978, \$10.88 and 1977, \$9.83; Class II 1978, \$9.35 and 1977, \$8.72; Class III 1978, \$9.25 and 1977, \$8.62. Fat differential: Class I 1978, 12.3¢ and 1977, 11.6¢; Class II 1978, 12.3¢ and 1977, 11.6¢; Class III 1978, 12.3¢ and 1977, 11.6¢; Blend 1978, 12.3¢ and 1977, 11.6¢. 32/ Little Rock. 33/ Oklahoma City. 34/ Wichita Falls, Texas. 35/ Amarillo, Monroe and Shreveport. 37/ Zone I (New Orleans). 38/ Zone I (Dallas). Class I price at Houston, plus 36 cents. 39/ Denver. 40/ Salt Lake City, Utah. 41/ Grand Junction. 42/ Phoenix. 43/ Albuquerque, Santa Fe, and El Paso. 44/ Las Vegas, Nevada. 45/ District I (Seattle). 46/ Spokane, Washington. 47/ Portland. 48/ A weighted average price for milk in excess of Class I needs calculated as follows: (producer deliveries used in Class II times the Class II price) plus (producer deliveries used in Class III times the Class III price) divided by (total producer deliveries in excess of Class I needs).

TABLE 3.-FEDERAL ORDER MINIMUM CLASS I AND BLEND PRICES FOR MILK OF 3.5 PERCENT BUTTERFAT CONTENT, F.O.B. MARKET OR OTHER INDICATED POINT, JANUARY - MAT, AVERAGES 1/

MARKETING AREA	CLASS I*			BLEND *		
	1978	1977	CHANGE 1978 OVER 1977	1978	1977	CHANGE 1978 OVER 1977
	DOLLARS PER 100 POUNDS					
NEW ENGLAND						
NEW ENGLAND	11.91	11.21	.70	10.63	9.96	.67
AVERAGE 2/	11.91	11.21	.70	10.53	9.96	.67
MIDDLE ATLANTIC						
NEW YORK-NEW JERSEY	11.60	10.87	.73	10.05	9.41	.64
MIDDLE ATLANTIC	11.71	11.01	.70	10.52	9.87	.65
AVERAGE 2/	11.64	10.93	.71	10.22	9.58	.64
SOUTH ATLANTIC						
TAMPA BAY	11.88	11.18	.70	11.53	11.07	.56
SOUTHEASTERN FLORIDA	12.08	11.38	.70	11.85	11.34	.51
UPPER FLORIDA	11.78	11.08	.70	11.53	11.11	.52
GEORGIA	11.23	10.53	.70	10.74	10.04	.70
AVERAGE 2/	11.66	10.95	.71	11.29	10.69	.60
EAST NORTH CENTRAL						
EASTERN GROUP						
SOUTHERN MICHIGAN	10.53	9.83	.70	9.94	9.22	.72
EASTERN OHIO-WESTERN PA.	10.78	10.08	.70	9.95	9.25	.70
OHIO VALLEY	10.63	9.93	.70	9.98	9.26	.72
AVERAGE 2/	10.64	9.94	.70	9.95	9.24	.71
WESTERN GROUP						
MICHIGAN UPPER PENINSULA	10.28	9.58	.70	9.77	9.04	.73
CHICAGO REGIONAL	10.19	9.49	.70	9.60	8.86	.74
LSVILLE-LXGTON-EVNSVILLE	10.63	9.93	.70	9.86	9.16	.70
INDIANA	10.40	9.70	.70	9.99	9.19	.80
SOUTHERN ILLINOIS	10.46	9.76	.70	9.86	9.14	.72
CENTRAL ILLINOIS	10.32	9.52	.70	9.83	9.04	.79
AVERAGE 2/	10.32	9.52	.70	9.70	8.96	.74
WEST NORTH CENTRAL						
NORTHERN GROUP						
UPPER MIDWEST	10.05	9.35	.70	9.35	8.65	.70
EASTERN SOUTH DAKOTA	10.33	9.53	.70	9.75	9.01	.74
BLACK HILLS	10.88	10.18	.70	10.19	9.26	.93
IOWA 3/	10.33	9.59	.74	9.74	9.01	.73
NEBRASKA - WESTERN IOWA	10.53	9.83	.70	9.85	9.07	.78
AVERAGE 2/	10.20	9.50	.70	9.42	8.72	.70

CONTINUED

TABLE 3-FEDERAL ORDER MINIMUM CLASS I AND BLEND PRICES FOR MILK OF 3.5 PERCENT BUTTERFAT CONTENT, F.O.B. MARKET OR OTHER INDICATED POINT, JANUARY - MAY, AVERAGES 1/ -CON.

MARKETING AREA	CLASS I *			BLEND *		
	1978	1977	CHANGE 1978 OVER 1977	1978	1977	CHANGE 1978 OVER 1977
	DOLLARS PER 100 POUNDS					
WEST NORTH CENTRAL -CON.						
SOUTHERN GROUP						
ST LOUIS - OZARKS	10.53	9.33	.70	9.88	9.16	.72
GREATER KANSAS CITY	10.67	9.97	.70	9.98	9.19	.79
NEOSHO VALLEY	10.58	9.88	.70	10.38	9.72	.66
WICHITA	10.73	10.03	.70	10.11	9.29	.82
AVERAGE 2/	10.59	9.39	.70	9.94	9.18	.76
EAST SOUTH CENTRAL						
PACUCAH	10.63	9.93	.70	10.10	9.46	.64
NASHVILLE	10.78	10.08	.70	10.04	9.28	.76
MEMPHIS	10.87	10.17	.70	10.57	9.89	.68
TENNESSEE VALLEY	11.03	10.33	.70	10.56	9.84	.72
AVERAGE 2/	10.93	10.22	.71	10.41	9.67	.74
WEST SOUTH CENTRAL						
NORTHERN GROUP 4/						
CENTRAL ARKANSAS	10.87	10.17	.70	10.61	9.82	.79
OKLAHOMA METROPOLITAN	10.91	10.21	.70	10.28	9.55	.73
RED RIVER VALLEY	11.12	10.44	.68	10.50	9.81	.79
TEXAS PANHANDLE	11.18	10.48	.70	10.79	9.84	.95
LUBBRICK - PLAINVIEW	11.35	10.65	.70	11.12	10.22	.90
AVERAGE 2/	10.96	10.26	.70	10.46	9.69	.77
SOUTHERN GROUP						
GREAT BR LOUISIANA	11.41	10.70	.71	10.95	10.28	.67
NEW ORLEANS-MISSISSIPPI	11.78	11.08	.70	11.02	10.32	.70
TEXAS	11.25	10.55	.70	10.73	9.97	.76
AVERAGE 2/	11.38	10.68	.70	10.82	10.08	.74
MOUNTAIN						
EASTERN COLORADO	11.23	10.53	.70	10.67	9.99	.68
GREAT BASIN	10.83	10.13	.70	10.14	9.37	.77
WESTERN COLORADO	10.93	10.23	.70	10.74	9.68	1.06
CENTRAL ARIZONA	11.45	10.75	.70	10.65	9.83	.82
RED ORANGE VALLEY	11.28	10.58	.70	10.73	10.10	.63
LAKE MEAD	10.53	9.83	.70	10.24	9.48	.76
AVERAGE 2/	11.18	10.47	.71	10.53	9.78	.75
PACIFIC						
PUGET SOUND	10.78	10.08	.70	9.85	9.14	.71
INLAND EMPIRE	10.88	10.18	.70	10.06	9.31	.75
OREGON - WASHINGTON	10.88	10.18	.70	10.15	9.45	.70
AVERAGE 2/	10.84	10.14	.70	9.99	9.28	.71
45-MARKET AVERAGE 2/ 4/	11.06	10.35	.71	10.11	9.41	.70
ALL-MARKET AVERAGE 4/	11.04	10.34	.70	10.10	9.40	.70

* All averages are weighted.

1/ See footnotes on table 2 for location at which price is reported.

2/ Based on markets where orders were effective entire period, 1977-78, and which have had no significant marketing area changes. Excludes Iowa.

3/ For the period January-April 1977, the prices represent weighted averages for the four merged markets.

4/ Excludes Fort Smith. Fewer than three handlers.

TABLE 4. NUMBER OF PRODUCERS DELIVERING MILK TO HANOLERS REGULATED UNDER FEDERAL ORDERS, TOTAL DELIVERIES, AND AVERAGE DAILY DELIVERIES PER PRODUCER, MAY

MARKETING AREA	NUMBER OF PRODUCERS		PRODUCER DELIVERIES			AVERAGE BUTTERFAT PERCENTAGE OF MILK DELIVERIES		AVERAGE DAILY DELIVERIES PER PRODUCER	
	MAY 1978	CHANGE FROM MAY 1977	MAY 1978	MAY 1977	CHANGE FROM MAY 1977	MAY 1978	MAY 1977	MAY 1978	MAY 1977
	NUMBER		1,000 LBS.	PERCENT		PERCENT		POUNDS	
NEW ENGLAND									
NEW ENGLAND	7,840	211-	463,889	458,931	1.1	3.64	3.61	1,909	1,839
AVERAGE OR TOTAL 1/	7,840	211-	463,889	458,931	1.1	3.64	3.61	—	—
MIDDLE ATLANTIC									
NEW YORK-NEW JERSEY	18,374	553-	933,859	916,306	1.9	3.62	3.56	1,640	1,562
MIDDLE ATLANTIC	7,219	842-	474,325	505,936	6.2-	3.64	3.61	2,120	2,025
AVERAGE OR TOTAL 1/	25,593	1,395-	1,408,184	1,422,242	1.0-	3.63	3.58	—	—
SOUTH ATLANTIC									
TAMPA BAY	119	2	47,678	49,381	3.4-	3.36	3.42	11,694	12,448
SOUTHEASTERN FLORIDA	73	2-	67,136	66,122	1.5	3.38	3.50	29,667	28,587
UPPER FLORIDA	180	2-	60,912	59,022	3.2	3.39	3.33	12,146	11,366
GEORGIA	1,376	96	136,892	128,656	6.4	3.54	3.58	3,209	3,242
AVERAGE OR TOTAL 1/	1,748	94	312,618	303,181	3.1	3.45	3.49	—	—
EAST NORTH CENTRAL									
EASTERN GROUP									
SOUTHERN MICHIGAN	6,591	293-	368,680	365,595	.8	3.67	3.63	1,865	1,713
EASTERN OHIO-WESTERN PA.	7,135	269-	327,946	333,556	1.7-	3.69	3.63	1,483	1,453
OHIO VALLEY	5,692	374-	262,581	281,416	6.7-	3.65	3.59	1,488	1,497
AVERAGE OR TOTAL 1/	19,418	936-	959,207	980,567	2.2-	3.67	3.62	—	—
WESTERN GROUP									
MICHIGAN UPPER PENINSULA	205	3-	7,995	7,534	6.1	3.67	3.66	1,258	1,169
CHICAGO REGIONAL	16,793	0	960,514	945,626	1.6	3.68	3.66	1,845	1,816
LSVILLE-LXGTON-EVNSVILLE	2,270	33-	105,963	113,463	6.6-	3.56	3.53	1,506	1,589
INDIANA	3,609	298-	185,462	201,295	7.9-	3.72	3.64	1,658	1,662
SOUTHERN ILLINOIS	1,711	125-	93,789	97,067	3.4-	3.63	3.59	1,768	1,705
CENTRAL ILLINOIS	478	47	24,689	22,785	3.4	3.67	3.63	1,666	1,705
AVERAGE OR TOTAL 1/	25,066	412-	1,378,412	1,387,770	.7-	3.67	3.64	—	—
WEST NORTH CENTRAL									
NORTHERN GROUP									
UPPER MIDWEST	13,316	249	693,090	670,380	3.4	3.64	3.62	1,679	1,655
EASTERN SOUTH DAKOTA	470	29-	25,468	28,718	11.3-	3.52	3.45	1,773	1,917
BLACK HILLS	91	10-	6,548	7,368	11.1-	3.49	3.45	2,439	2,437
IOWA	3,379	251	176,533	161,978	9.0	3.64	3.60	1,701	1,713
NEBRASKA - WESTERN IOWA	1,571	5-	94,167	100,594	6.4-	3.60	3.50	1,970	2,126
AVERAGE OR TOTAL 1/	15,448	205	819,273	807,060	1.5	3.63	3.60	—	—

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TABLE 4.-NUMBER OF PRODUCERS DELIVERING MILK TO HANDLERS REGULATED UNDER FEDERAL ORDERS, TOTAL DELIVERIES, AND AVERAGE DAILY DELIVERIES PER PRODUCER, MAY -CON.

MARKETING AREA	NUMBER OF PRODUCERS		PRODUCER DELIVERIES			AVERAGE BUTTERFAT PERCENTAGE OF MILK DELIVERIES		AVERAGE DAILY DELIVERIES PER PRODUCER	
	MAY 1978	CHANGE FROM MAY 1977	MAY 1978	MAY 1977	CHANGE FROM MAY 1977	MAY 1978	MAY 1977	MAY 1978	MAY 1977
	NUMBER		1,000 LBS.		PERCENT	PERCENT		POUNDS	
WEST NORTH CENTRAL -CON.									
SOUTHERN GROUP									
ST LOUIS - OzARKS	2,931	104	165,443	165,764	0.2-	3.50	3.45	1,821	1,891
GREATER KANSAS CITY	1,450	198-	78,486	95,965	18.2-	3.50	3.49	1,823	1,879
NEOSHO VALLEY	34	5	714	508	40.6	3.51	3.47	1,338	1,948
WICHITA	477	23-	30,066	31,987	6.0-	3.52	3.48	2,157	2,356
AVERAGE OR TOTAL <u>1/</u>	4,892	112-	274,709	294,224	6.6-	3.50	3.47	—	—
EAST SOUTH CENTRAL									
PAOCAR	191	3-	9,711	10,621	8.6-	3.62	3.63	1,640	1,766
NASHVILLE	763	114-	44,855	55,581	19.3-	3.56	3.57	1,896	2,044
MEMPHIS	516	96	26,152	27,212	3.9-	3.53	3.49	2,352	2,471
TENNESSEE VALLEY	1,650	217-	100,071	107,041	6.5-	3.65	3.60	1,956	1,849
AVERAGE OR TOTAL <u>1/</u>	3,120	238-	180,789	200,455	9.8-	3.61	3.58	—	—
WEST SOUTH CENTRAL									
NORTHERN GROUP									
CENTRAL ARKANSAS-FORT SMITH <u>2/</u>	681	2	30,607	35,258	13.2-	3.36	3.27	2,103	2,212
OKLAHOMA METROPOLITAN	1,608	36	80,922	81,280	.4-	3.41	3.34	2,240	2,299
RED RIVER VALLEY	174	64-	9,094	12,500	27.2-	3.36	3.32	2,380	2,228
TEXAS PANHANDLE	229	26	7,892	10,269	23.1-	3.40	3.29	2,636	2,978
LUBBOCK - PLAINVIEW	70	5-	6,176	6,378	3.2-	3.43	3.37	4,795	5,376
AVERAGE OR TOTAL <u>1/</u>	2,762	5-	134,691	145,685	7.5-	3.40	3.32	—	—
SOUTHERN GROUP									
GREATER LOUISIANA	848	61	62,040	56,021	10.7	3.53	3.53	2,360	2,296
NEW ORLEANS-MISSISSIPPI	1,739	124	110,282	103,558	6.5	3.51	3.51	2,046	2,068
TEXAS	2,925	228-	303,211	312,950	3.1-	3.39	3.38	3,344	3,202
AVERAGE OR TOTAL <u>1/</u>	5,512	43-	475,533	472,529	.6	3.44	3.43	—	—
MOUNTAIN									
EASTERN COLORADO	953	112	75,254	67,421	11.6	3.53	3.47	2,547	2,586
GREAT BASIN	725	68-	66,996	73,685	9.1-	3.48	3.46	2,981	2,997
WESTERN COLORADO	47	1-	6,113	6,757	9.5-	3.45	3.43	4,196	4,541
CENTRAL ARIZONA	155	7-	75,398	79,171	4.8-	3.45	3.51	16,487	16,075
RIO GRANDE VALLEY	166	6	43,070	36,453	18.2	3.41	3.32	10,981	7,883
LAKE MEAD	47	5	11,662	12,096	3.6-	3.32	3.32	8,004	9,290
AVERAGE OR TOTAL <u>1/</u>	2,093	47	278,493	275,583	1.0	3.47	3.45	—	—
PACIFIC									
PUGET SOUND	1,221	15-	159,693	153,241	4.2	3.55	3.54	4,219	3,999
INLAND EMPIRE	335	10	31,068	25,674	21.0	3.54	3.53	2,992	2,548
OREGON - WASHINGTON	965	74-	128,060	132,345	3.2-	3.69	3.64	4,281	4,109
AVERAGE OR TOTAL <u>1/</u>	2,521	79-	318,821	311,260	2.4	3.60	3.58	—	—
46-MARKET AVG. OR TOTAL <u>1/</u>	116,013	3,085-	7,004,619	7,059,487	.8-	3.60	3.57	1,948	1,912
ALL-MARKET AVG. OR TOTAL	119,392	2,834-	7,181,152	7,221,465	.6-	3.61	3.57	1,940	1,906

1/ Based on markets where orders were effective entire period, 1977-78, and which have had no significant marketing area expansion. Excludes Iowa.

2/ The data for the Central Arkansas and Fort Smith markets have been combined in order to mask restricted data.

TABLE 5.—PRODUCER MILK DELIVERIES USED IN CLASS I AND GROSS CLASS I SALES BY HANDLERS REGULATED UNDER FEDERAL ORDERS, MAY

MARKETING AREA	PRODUCER DELIVERIES USED IN CLASS I			% USED IN CL. I		GROSS CLASS I		DELIVERIES AS % OF GR. CL. I	
	MAY 1978	MAY 1977	CHANGE FRDM MAY 1977	MAY 1978	MAY 1977	MAY 1978	CHANGE FRDM MAY 1977	MAY 1978	MAY 1977
				1,000 POUNDS	PERCENT			1,000 LBS	PERCENT
NEW ENGLAND									
NEW ENGLAND	250,301	241,588	3.6	54	53	250,475	3.5	185	190
AVERAGE DR TOTAL 1/	250,301	241,588	3.6	54	53	—	—	—	—
MIDDLE ATLANTIC									
NEW YORK-NEW JERSEY	415,185	377,075	10.1	44	41	415,186	10.1	225	243
MIDDLE ATLANTIC	246,843	269,633	8.4-	52	53	258,347	8.4-	184	179
AVERAGE DR TOTAL 1/	662,028	646,708	2.4	47	45	—	—	—	—
SOUTH ATLANTIC									
TAMPA BAY	41,705	40,421	3.2	87	82	45,589	4.6	104	113
SOUTHEASTERN FLORIDA	61,545	56,276	9.4	92	95	65,831	9.4	102	110
UPPER FLORIDA	55,379	53,306	3.9	91	90	59,368	3.0	103	102
GEORGIA	103,232	96,379	7.1	75	75	106,694	2.6	128	124
AVERAGE DR TOTAL 1/	261,861	246,382	6.3	84	81	—	—	—	—
EAST NORTH CENTRAL									
EASTERN GROUP									
SOUTHERN MICHIGAN	192,919	182,986	5.4	52	50	193,399	4.9	191	198
EASTERN MICHIGAN-WESTERN PA.	173,715	170,095	2.1	53	51	173,932	2.2	188	196
OHIO VALLEY	152,513	154,196	1.1-	58	55	159,467	2.3	165	180
AVERAGE DR TOTAL 1/	519,147	507,277	2.3	54	52	—	—	—	—
WESTERN GROUP									
MICHIGAN-UPPER PENINSULA	4,072	3,733	9.1	51	50	4,806	8.8	166	171
CHICAGO REGIONAL	254,419	242,835	4.8	26	26	255,057	4.7	376	388
LSVILLE-LXGTON-EVNSVILLE	58,414	59,434	1.7-	55	52	58,747	1.9-	180	189
INDIANA	120,549	120,123	0.4	65	60	124,189	3.1	149	167
SOUTHERN ILLINOIS	50,103	48,498	3.3	53	50	52,422	5.3	179	195
CENTRAL ILLINOIS	13,556	12,225	10.9	55	54	14,587	5.9	169	165
AVERAGE DR TOTAL 1/	501,113	486,848	2.9	36	35	—	—	—	—
WEST NORTH CENTRAL									
NORTHERN GROUP									
UPPER MIDWEST	128,764	122,156	5.4	18	18	128,904	5.4	539	548
EASTERN SOUTHERN DAKOTA	11,141	10,506	6.0	44	36	11,256	6.1	226	271
BLACK HILLS	3,459	2,858	21.0	53	39	3,556	21.1	184	251
IOWA	64,457	59,538	8.3	36	37	64,691	8.5	273	272
NEBRASKA-WESTERN IDAHO	45,063	43,782	2.9	48	44	45,705	3.9	206	229
AVERAGE DR TOTAL 1/	188,427	179,302	5.1	23	22	—	—	—	—

CONTINUED

TABLE 5.—PRODUCER MILK DELIVERIES USED IN CLASS I AND GROSS CLASS I SALES BY HAULERS REGULATED UNDER FEDERAL ORDERS, MAY—CON.

MARKETING AREA	PRODUCER DELIVERIES USED IN CLASS I			% USED IN CL. I		GROSS CLASS I		DELIVERIES AS % OF GR. CL. I	
	MAY 1978	MAY 1977	CHANGE			MAY 1978	MAY 1977	CHANGE	
	1,000 POUNDS	PERCENT		PERCENT		1,000 LBS	PERCENT	PERCENT	
WEST NDRTH CENTRAL —CON.									
SOUTHERN GROUP									
ST LOUIS - OZARKS	105,808	99,139	6.7	64	60	109,683	5.8	151	160
GREATER KANSAS CITY	40,232	39,974	.6	51	42	41,007	1.6	191	238
NEOSHO VALLEY	627	446	40.6	88	88	634	41.5	113	113
WICHITA	17,135	16,504	3.8	57	52	17,432	5.0	172	193
AVERAGE OR TOTAL 1/	163,802	156,063	5.0	60	53	—	—	—	—
EAST SOUTH CENTRAL									
PADUCAH	7,683	8,083	4.9-	79	76	7,703	4.8-	126	131
NASHVILLE	24,975	25,728	2.9-	56	46	25,043	2.7-	179	216
MEMPHIS	21,844	22,091	1.1-	84	81	24,251	3.8-	108	108
TENNESSEE VALLEY	72,468	75,404	3.9-	72	70	73,010	3.2-	137	142
AVERAGE OR TOTAL 1/	126,970	131,306	3.3-	70	66	—	—	—	—
WEST SOUTHERN CENTRAL									
NORTHERN GROUP									
CENTRAL ARKANSAS—FORT SMITH 2/	26,672	25,713	3.7	87	73	28,405	4.2	108	129
OKLAHOMA METROPOLITAN	45,735	43,672	4.7	56	54	46,419	4.8	174	184
REO RIVER VALLEY	6,191	7,853	21.2-	68	63	6,191	21.2-	147	159
TEXAS PANHANDLE	6,594	6,113	7.9	84	60	6,595	7.9	120	168
LUBBRICK - PLAINVIEW	5,278	5,017	5.2	85	79	5,278	5.2	117	127
AVERAGE OR TOTAL 1/	90,470	88,368	2.4	67	61	—	—	—	—
SOUTHERN GROUP									
GREATER LOUISIANA	49,751	46,433	7.1	80	83	50,018	6.9	124	120
NEW ORLEANS-MISSISSIPPI	67,989	67,129	1.3	62	65	68,713	1.5	160	153
TEXAS	221,243	210,326	5.2	73	67	226,245	5.5	134	146
AVERAGE OR TOTAL 1/	338,983	323,888	4.7	71	68	—	—	—	—
MOUNTAIN									
EASTERN COLORADO	53,995	48,676	10.9	72	72	56,089	8.5	134	130
GREAT EASIN	36,682	34,001	7.9	55	46	37,523	8.0	178	212
WESTERN COLORADO	4,853	3,846	26.2	79	57	5,041	23.0	121	165
CENTRAL ARIZONA	47,577	42,852	11.0	63	54	47,647	11.2	158	185
RIO GRANDE VALLEY	28,867	26,877	7.4	67	74	28,953	7.4	149	135
LAKE MEAD	8,414	7,527	11.8	72	62	8,527	11.6	137	158
AVERAGE OR TOTAL 1/	180,388	163,779	10.1	65	59	—	—	—	—
PACIFIC									
PUGET SOUND	61,346	55,346	10.8	38	36	64,367	10.1	243	262
INLAND EMPIRE	14,955	11,231	33.2	48	44	15,004	33.3	207	228
OREGON - WASHINGTON	68,833	65,414	5.2	54	49	71,951	4.2	178	192
AVERAGE OR TOTAL 1/	145,134	131,991	10.0	46	42	—	—	—	—
46-MARKET AVG. OR TOTAL 1/	3,428,624	3,303,500	3.8	49	47	—	—	—	—
ALL-MARKET AVG. OR TOTAL	3,493,081	3,363,038	3.9	49	46	—	—	—	—

1/ Based on markets where orders were effective entire period, 1977-78, and which have had no significant marketing area changes. Excludes Iowa.

2/ The data for the Central Arkansas and Fort Smith markets have been combined in order to mask restricted data.

Table 6.—Producer milk deliveries used in Class II by handlers regulated under those Federal orders which have three classes of utilization, May and year to date with comparisons 1/

Marketing area	Producer Deliveries		% Used		Producer Deliveries		% Used	
	used in Class II		in Cl. II		used in Class II		in Cl. II	
	May	May	May	May	Cum.*	Cum.*	Cum.*	Cum.*
	1978	1977	1978	1977	1978	1977	1978	1977
	<u>1,000 lb.</u>		<u>Percent</u>		<u>1,000 lb.</u>		<u>Percent</u>	
SOUTH ATLANTIC	:							
Georgia	:	13,001	:	9,774	:	9.5	:	7.6
EAST NORTH CENTRAL	:							
Eastern Group	:							
Southern Michigan	:	27,154	:	23,826	:	7.4	:	6.5
Eastern Ohio-Western Pa.	:	21,838	:	19,679	:	6.7	:	5.9
Ohio Valley	:	23,783	:	23,499	:	9.1	:	8.4
Western Group	:							
Chicago Regional	:	109,283	:	103,613	:	11.4	:	11.0
Louis.-Lex.-Evans.	:	10,757	:	6,797	:	10.2	:	6.0
Indiana	:	29,880	:	26,723	:	16.1	:	13.3
Southern Illinois	:	11,098	:	10,906	:	11.8	:	11.2
Central Illinois	:	1,741	:	1,273	:	7.1	:	5.6
WEST NORTH CENTRAL	:							
Northern Group	:							
Upper Midwest	:	26,024	:	23,790	:	3.8	:	3.5
Eastern South Dakota	:	3,679	:	3,340	:	14.4	:	11.6
Iowa 2/	:	11,707	:	12,426	:	6.6	:	7.7
Nebraska-Western Iowa	:	11,174	:	11,730	:	11.9	:	11.7
Southern Group	:							
St. Louis-Ozarks	:	26,027	:	23,147	:	15.7	:	14.0
Greater Kansas City	:	13,473	:	14,718	:	17.2	:	15.3
Neosho Valley	:	16	:	16	:	2.2	:	3.1
Wichita	:	2,787	:	2,989	:	9.3	:	9.3
EAST SOUTH CENTRAL	:							
Paducah	:	1,348	:	1,121	:	13.9	:	10.6
Nashville	:	2,471	:	2,553	:	5.5	:	4.6
Memphis	:	2,946	:	3,084	:	11.3	:	11.3
Tennessee Valley	:	11,680	:	10,347	:	11.7	:	9.7

Continued

Table 6.—Producer milk deliveries used in Class II by handlers regulated under those Federal orders which have three classes of utilization, May and year to date with comparisons 1/—Con.

Marketing area	Producer Deliveries		% Used		Producer Deliveries		% Used							
	used in Class II		in Cl. II		used in Class II		in Cl. II							
	May	May	May	May	Cum.*	Cum.*	Cum.*	Cum.*						
	1978	1977	1978	1977	1978	1977	1978	1977						
	<u>1,000 lb.</u>		<u>Percent</u>		<u>1,000 lb.</u>		<u>Percent</u>							
WEST SOUTH CENTRAL	:													
Northern Group	:													
Central Arkansas-	:													
Fort Smith <u>3/</u>	1,875	2,370	6.1	6.7	9,175	9,256	5.9	5.8						
Oklahoma Metropolitan	11,136	10,953	13.8	13.5	42,332	44,652	11.9	12.4						
Red River Valley	2,198	1,857	24.2	14.8	8,536	8,162	18.1	12.9						
Texas Panhandle	946	804	12.0	7.8	4,225	3,261	10.7	7.4						
Lubbock-Plainview	430	321	7.0	5.0	1,607	1,025	5.3	3.1						
Southern Group	:													
Greater Louisiana	3,419	4,332	5.5	7.7	14,064	16,195	4.8	5.9						
New Orleans-Mississippi	10,076	10,815	9.1	10.4	46,987	46,350	9.3	9.5						
Texas	38,749	37,502	12.8	12.0	168,781	164,422	11.7	11.3						
MOUNTAIN	:													
Eastern Colorado	9,272	8,008	12.3	11.9	39,946	36,185	11.2	10.8						
Great Basin	3,683	4,585	5.5	6.2	19,866	20,668	6.5	6.5						
Central Arizona	10,410	9,921	13.8	12.5	50,033	48,613	13.7	13.3						
Rio Grande Valley	12,388	5,083	28.8	13.9	38,329	22,662	20.0	13.0						
Lake Mead	731	693	6.3	5.7	3,524	3,193	6.3	5.7						
PACIFIC	:													
Puget Sound	19,705	18,699	12.3	12.2	92,182	89,834	12.8	13.1						
Inland Empire	2,634	2,666	8.5	10.4	12,877	11,618	9.4	10.3						
Oregon-Washington	18,269	16,210	14.3	12.2	78,083	72,097	13.1	12.6						
	:													

* Year to date.

1/ Excludes Southeastern Florida; Class III only applies to the skim milk portion of all milk disposed of for fertilizer or livestock feed or dumped.

2/ The data for January-April 1977 represent the summation of the four orders merged to form Iowa.

3/ The data for the Central Arkansas and Fort Smith markets have been combined in order to mask restricted data.

TABLE 7-PRODUCER MILK DELIVERIES TO HANDLERS REGULATED UNDER FEDERAL ORDERS AND DELIVERIES USED IN CLASS I
JANUARY - MAY

MARKETING AREA	PRODUCER DELIVERIES			PRODUCER DELIVERIES USED IN CLASS I			% USED IN CL. I	
	1978	1977	CHANGE 1978 OVER 1977	1978	1977	CHANGE 1978 OVER 1977	1978	1977
			1,000 POUNDS			1,000 POUNDS	PERCENT	PERCENT
NEW ENGLAND								
NEW ENGLAND	2,151,075	2,085,106	3.2	1,231,921	1,229,831	.2	57	59
TOTAL 1/	2,151,075	2,085,106	3.2	1,231,921	1,229,831	.2	57	59
MIDDLE ATLANTIC								
NEW YORK-NEW JERSEY	4,223,249	4,064,600	3.9	1,938,231	1,899,656	2.0	46	47
MIDDLE ATLANTIC	2,353,065	2,365,871	.5-	1,335,933	1,375,020	2.8-	57	58
TOTAL 1/	6,576,314	6,430,471	2.3	3,274,164	3,274,676	0	50	51
SOUTH ATLANTIC								
TAMPA BAY	241,300	250,069	3.5-	217,662	214,689	1.4	90	86
SOUTHEASTERN FLORIDA	342,174	326,710	4.7	313,568	290,789	7.8	92	89
UPPER FLORIDA	295,782	294,129	.6	274,734	267,794	2.6	93	91
GEORGIA	671,811	656,493	2.3	509,431	498,975	2.1	76	76
TOTAL 1/	1,551,067	1,527,401	1.5	1,315,395	1,272,247	3.4	85	83
EAST NORTH CENTRAL								
EASTERN GROUP								
SOUTHERN MICHIGAN	1,733,802	1,704,289	1.7	969,521	942,649	2.8	56	55
EASTERN OHIO-WESTERN PA.	1,477,528	1,482,508	.3-	873,911	881,881	.9-	59	59
OHIO VALLEY	1,213,897	1,278,314	5.0-	757,530	780,750	3.0-	62	61
TOTAL 1/	4,425,227	4,465,191	.9-	2,600,962	2,605,280	.2-	59	58
WESTERN GROUP								
MICHIGAN UPPER PENINSULA	36,399	35,319	3.0	21,394	20,304	5.4	59	57
CHICAGO REGIONAL	4,367,593	4,306,065	1.4	1,276,596	1,271,012	.4	29	30
LSVILLE-LXGTON-EVNSVILLE	492,129	513,833	4.2-	294,700	308,186	4.4-	60	60
INDIANA	851,138	923,635	7.8-	579,956	610,241	5.0-	68	66
SOUTHERN ILLINOIS	445,395	476,348	6.5-	248,215	247,122	.4	56	52
CENTRAL ILLINOIS	107,565	111,297	3.4-	69,121	66,106	4.6	64	59
TOTAL 1/	6,300,219	6,366,497	1.0-	2,489,982	2,522,971	1.3-	40	40
WEST NORTH CENTRAL								
NORTHERN GROUP								
UPPER MIDWEST	3,261,403	3,107,025	5.0	653,624	640,513	2.0	20	21
EASTERN SOUTH DAKOTA	118,871	129,321	8.1-	57,014	55,477	2.8	48	43
BLACK HILLS	29,923	29,623	1.0	17,999	14,788	21.7	60	50
IOWA 2/	795,549	693,397	14.7	328,826	306,193	7.4	41	44
NEBRASKA - WESTERN IOWA	427,449	484,344	11.7-	227,604	232,671	2.2-	53	48
TOTAL 1/	3,837,646	3,750,313	2.3	956,241	943,449	1.4	25	25

CONTINUED

TABLE 7--PRODUCER MILK DELIVERIES TO HANDLERS REGULATED UNDER FEDERAL ORDERS AND DELIVERIES USED IN CLASS I
JANUARY - MAY -CON.

MARKETING AREA	PRODUCER DELIVERIES			PRODUCER DELIVERIES USED IN CLASS I			% USED IN CL. I	
	1978	1977	CHANGE 1978 OVER 1977	1978	1977	CHANGE 1978 OVER 1977	1978	1977
			1,000 POUNDS			1,000 POUNDS		
WEST NORTH CENTRAL -CON.								
SOUTHERN GROUP								
ST LOUIS - OZARKS	755,591	765,372	1.3-	521,926	506,278	3.1	69	66
GREATER KANSAS CITY	370,388	442,395	16.3-	205,796	214,525	4.1-	56	48
NEOSHO VALLEY	3,438	2,662	29.2	3,085	2,402	28.4	90	90
WICHITA	141,048	154,525	8.7-	87,556	85,651	2.2	62	55
TOTAL 1/	1,270,465	1,364,954	6.9-	818,363	808,856	1.2	64	59
EAST SOUTH CENTRAL								
PADUCAH	50,230	51,482	2.4-	38,481	41,415	7.1-	77	80
VASHVILLE	215,755	258,116	16.4-	124,085	133,252	5.9-	58	52
MEMPHIS	126,722	133,973	5.4-	105,814	112,840	5.2-	84	84
TENNESSEE VALLEY	479,684	498,047	3.7-	353,749	360,886	2.0-	74	72
TOTAL 1/	872,391	941,618	7.4-	622,129	648,393	4.0-	71	69
WEST SOUTH CENTRAL								
NORTHERN GROUP								
CENTRAL ARKANSAS-FORT SMITH 2/	154,345	159,619	3.3-	135,049	130,856	3.2	87	82
OKLAHOMA METROPOLITAN	354,801	361,107	1.7-	227,912	223,325	2.0	64	62
RED RIVER VALLEY	47,106	63,306	25.6-	34,222	42,859	20.2-	73	68
TEXAS PANHANDLE	39,447	44,160	10.7-	32,359	31,015	4.3	82	70
LUBBRICK - PLAINVIEW	30,358	32,679	7.1-	27,073	26,995	.3	89	83
TOTAL 1/	626,057	660,871	5.3-	456,615	455,050	.3	73	69
SOUTHERN GROUP								
GREATER LOUISIANA	290,118	272,715	6.4	233,666	224,527	4.1	80	82
NEW ORLEANS-MISSISSIPPI	507,280	489,871	3.6	333,879	338,312	.7-	66	69
TEXAS	1,441,958	1,452,327	.7-	1,100,650	1,064,177	3.4	76	73
TOTAL 1/	2,239,356	2,214,913	1.1	1,668,.95	1,625,016	2.6	74	73
MOUNTAIN								
EASTERN COLORADO	356,774	336,078	6.2	261,421	246,054	5.2	73	73
GREAT BASIN	307,447	316,110	2.7-	179,711	170,766	5.2	58	54
WESTERN COLORADO	28,067	32,560	13.8-	24,502	22,001	11.4	87	68
CENTRAL ARIZONA	365,996	366,168	0	237,377	220,303	7.8	65	60
RIO GRANDE VALLEY	191,766	174,187	10.1	142,839	136,624	4.5	74	78
LAKE MEAD	55,893	55,889	0	40,630	37,991	6.9	73	68
TOTAL 1/	1,305,943	1,280,992	1.9	886,480	833,739	6.3	68	65
PACIFIC								
PUGET SOUND	721,900	683,851	5.6	295,699	280,069	5.6	41	41
INLAND EMPIRE	137,272	112,742	21.8	71,919	56,452	27.4	52	50
OREGON - WASHINGTON	594,773	573,879	3.6	340,522	321,097	6.0	57	56
TOTAL 1/	1,453,945	1,370,472	6.1	708,140	657,618	7.7	49	48
46-MARKET TOTAL 1/	32,609,705	32,458,719	.5	17,028,587	16,877,126	.9	52	52
ALL-MARKET TOTAL	33,405,254	33,152,116	.8	17,357,413	17,183,319	1.0	52	52

1/ Based on markets where orders were effective entire period, 1977-78, and which have had no significant marketing area changes. Excludes Iowa.

2/ Data for January-April 1977 represent the summation of the four orders merged to form Iowa.

3/ The data for the Central Arkansas and Fort Smith markets have been combined in order to mask restricted data.

TABLE 8. WHOLE MILK AND LOWFAT AND SKIM MILK ITEMS SOLD IN MARKETING AREAS DEFINED BY FEDERAL MILK ORDERS FOR MARKETS WHERE SUCH INFORMATION IS AVAILABLE, APRIL 1978 WITH COMPARISONS 1/

MARKETING AREA	WHOLE MILK ITEMS 2/				LOWFAT AND SKIM MILK ITEMS 3/				TOTAL							
	APRIL 1978		CHANGE FROM 1977		APRIL 1978		CHANGE FROM 1977		APRIL 1978		CHANGE FROM 1977					
	SALES	BUTTER-FAT CONTENT	APR	YEAR TO DATE	SALES	BUTTER-FAT CONTENT	APR	YEAR TO DATE	SALES	BUTTER-FAT CONTENT	APR	YEAR TO DATE				
	MIL. LB.	PERCENT	MIL. LB.	PERCENT	MIL. LB.	PERCENT	MIL. LB.	PERCENT	MIL. LB.	PERCENT	MIL. LB.	PERCENT				
NEW ENGLAND	181.7	3.34	-	6.3	-	3.3	53.4	0.96	9.0	10.7	235.1	2.80	-	3.2	-	0.5
NEW ENGLAND	181.7	3.34	-	6.3	-	3.3	53.4	0.96	9.0	10.7	235.1	2.80	-	3.2	-	0.5
MIDDLE ATLANTIC	165.6	3.32	-	7.1	-	4.3	71.8	1.28	4.5	4.1	237.4	2.70	-	3.5	-	2.0
MIDDLE ATLANTIC	165.6	3.32	-	7.1	-	4.3	71.8	1.28	4.5	4.1	237.4	2.70	-	3.9	-	2.0
SOUTH ATLANTIC	164.2	3.30	-	3.0	0	78.3	1.24	2.3	5.5	5.5	242.6	2.63	-	1.3	1.7	
TAMPA BAY	31.3	3.34	-	6.6	-	2.1	13.8	1.04	10.2	8.7	45.1	2.64	-	2.1	.9	
SOUTHEASTERN FLORIDA	41.3	3.29	-	3.2	.2	17.4	1.29	3.4	7.9	5.8	58.7	2.70	-	1.3	2.4	
UPPER FLORIDA	37.5	3.26	-	1.9	1.9	15.0	1.29	11.4	12.8	52.5	2.70	1.6	4.7	4.7		
GEORGIA	54.1	3.31	-	1.4	-1	32.1	1.26	-	4.7	.1	86.2	2.55	-	2.6	.0	
EAST NORTH CENTRAL	581.2	3.28	-	6.6	-	4.2	404.7	1.55	2.6	3.8	985.9	2.57	-	3.0	-	1.1
EASTERN GROUP	118.5	3.27	-	3.4	-	2.1	63.8	.98	1.8	1.5	182.3	2.47	-	1.7	-	.9
SOUTHERN MICHIGAN	120.1	3.29	-	8.1	-	5.3	53.5	1.70	5.6	5.5	173.5	2.80	-	4.2	-	2.3
E. OHIO - W. PA.	99.4	3.26	-	8.1	-	4.5	66.4	1.65	2.2	2.6	165.8	2.62	-	4.2	-	1.9
WESTERN GROUP	4.4	3.35	-	4.5	-	2.5	4.2	1.70	16.9	17.0	8.5	2.54	-	4.9	5.9	
MICH. UPPER PENINSULA	128.9	3.30	-	6.6	-	4.9	108.6	1.61	2.6	6.2	237.5	2.53	-	2.6	-	
CHICAGO REGIONAL	30.0	3.29	-	5.5	-	3.2	26.2	1.75	1.1	3.3	56.1	2.57	-	2.5	-	.3
LOUIS. - LEX. - EVANS	48.3	3.28	-	9.9	-	5.4	51.9	1.70	3.0	2.3	100.2	2.46	-	3.7	-	1.7
INDIANA	22.3	3.23	-	4	.5	20.3	1.68	-	1.6	2.1	42.6	2.49	-	6	1.2	
SOUTHERN ILLINOIS	9.3	3.27	-	10.1	-	8.0	10.0	1.63	1.3	.4	19.3	2.42	-	4.5	-	4.0
CENTRAL ILLINOIS	143.8	3.29	-	7.8	-	5.5	202.3	1.54	1.6	3.6	346.1	2.27	-	2.5	-	.4
WEST NORTH CENTRAL																
NORTHERN GROUP	32.6	3.28	-	9.7	-	7.5	83.3	1.48	1.9	2.9	115.9	1.99	-	1.6	-	.3
UPPER MIDWEST	3.2	3.28	-	2.0	-	2.4	5.7	1.77	5.2	7.7	8.9	2.32	-	2.1	3.8	
EASTERN SOUTH DAKOTA	1.2	3.32	-	.3	.2	1.6	1.81	3.7	7.8	2.8	2.44	2.0	4.5	2.0		
BLACK HILLS	21.7	3.37	-	7.3	-	6.5	36.8	1.65	6.2	8.0	58.5	2.29	-	8	2.0	
IOWA 4/	20.3	3.29	-	7.3	-	4.1	21.1	1.59	1.5	3.0	41.3	2.42	-	3.0	-	.7

CONTINUED

TABLE 8 - WHOLE MILK AND LOWFAT AND SKIM MILK ITEMS SOLD IN MARKETING AREAS DEFINED BY FEDERAL MILK ORDERS FOR MARKETS WHERE SUCH INFORMATION IS AVAILABLE, APRIL 1978 WITH COMPARISONS 1/-0-CON.

MARKETING AREA	WHOLE MILK ITEMS 2/						LOWFAT AND SKIM MILK ITEMS 3/						TOTAL				
	APRIL 1978		CHANGE 1978 FROM 1977		APRIL 1978		CHANGE 1978 FROM 1977		APRIL 1978		BUTTER-FAT CONTENT		APRIL 1978		CHANGE 1978 FROM 1977		
	SALES	BUTTER-FAT CONTENT	APR	PERCENT	YEAR	TC	DATE	SALES	BUTTER-FAT CONTENT	APR	PERCENT	DATE	SALES	BUTTER-FAT CONTENT	APR	PERCENT	TO DATE
MIL. LB.								MIL. LB.					MIL. LB.				
WEST NORTH CENTRAL-CON.																	
SOUTHERN GROUP																	
ST. LOUIS - OZARKS	29.0	3.24	-	8.7	-	6.3		24.8	1.49	-	4.9	-	1.6	53.8	2.43	-	7.0
GREATER KANSAS CITY	22.7	3.27	-	6.4	-	4.4		20.5	1.53	-	2	-	4.4	43.2	2.45	-	3.3
NEOSHO VALLEY	4.0	3.29	-	8.5	-	1.7		2.1	1.44	-	4.6	-	3.3	6.1	2.66	-	7.2
WICHITA	9.1	3.28	-	6.5	-	2.4		6.5	1.53	-	3.6	-	6.9	15.6	2.55	-	2.5
EAST SOUTH CENTRAL	71.9	3.33	-	5.2	-	2.8		46.4	1.51	-	7	-	3.0	118.2	2.62	-	3.0
PADUCAH	4.8	3.23	-	7.8	-	3.0		2.4	1.40	-	2.4	-	1	7.2	2.61	-	4.6
NASHVILLE	20.4	3.32	-	5.8	-	3.3		10.8	1.49	-	2.9	-	1	31.2	2.69	-	4.8
MEMPHIS	12.6	3.36	-	5.7	-	3.4		6.2	1.23	-	4.1	-	3.9	18.8	2.66	-	5.2
TENNESSEE VALLEY	34.1	3.34	-	4.3	-	2.2		27.0	1.59	-	3.2	-	6.2	61.1	2.57	-	1.1
WEST SOUTH CENTRAL	297.6	3.40	-	1.7	-	.6		93.5	1.33	-	2.9	-	5.8	391.1	2.90	-	.7
NORTHERN GROUP																	
CENTRAL ARKANSAS	13.8	3.34	-	6.4	-	6.5		6.2	1.51	-	5.5	-	6.5	20.0	2.77	-	6.1
FORT SMITH	1.4	3.26	-	11.0	-	3.2		*6	1.45	-	*5	-	11.0	2.0	2.73	-	8.1
OKLAHOMA METROPOLITAN	24.4	3.27	-	8.4	-	3.8		9.1	1.40	-	4.0	-	4.0	35.6	2.76	-	5.9
RED RIVER VALLEY	9.3	3.36	-	6.2	-	1.8		2.0	1.27	-	5.3	-	10.0	11.3	2.99	-	4.4
TEXAS PANHANDLE	5.7	3.35	-	.2	-	.6		1.3	1.45	-	4.5	-	6.7	7.0	2.99	-	.7
LUBBOCK - PLAINVIEW	4.3	3.36	-	12.3	-	9.5		1.6	1.49	-	34.5	-	39.8	5.9	2.86	-	3.2
SOUTHERN GROUP																	
GREATER LOUISIANA	37.4	3.54	-	2.3	-	.7		10.4	1.62	-	9.7	-	13.1	47.8	3.12	-	1
NEW ORLEANS - MISS.	50.3	3.53	-	3.6	-	2.4		13.2	1.33	-	10.3	-	12.4	63.5	3.07	-	1.0
TEXAS	151.0	3.36	-	.2	-	2.6		49.0	1.22	-	1.1	-	2.1	200.0	2.83	-	.1
MOUNTAIN	98.8	3.39	-	.8	-	2.6		75.4	1.69	-	6.5	-	8.9	174.1	2.65	-	2.2
EASTERN COLORADO	24.3	3.31	-	1.0	-	2.2		23.7	1.74	-	2.9	-	6.0	48.0	2.54	-	9
GREAT BASIN	13.4	3.32	-	.3	-	1.6		21.4	1.90	-	3.3	-	5.4	34.8	2.45	-	1.8
WESTERN COLORADO	2.1	3.49	-	12.8	-	14.9		1.7	1.73	-	41.3	-	34.9	3.7	2.71	-	23.9
CENTRAL ARIZONA	27.8	3.50	-	2.0	-	3.7		17.9	1.42	-	8.8	-	11.1	45.7	2.69	-	1.9
RIO GRANDE VALLEY	24.0	3.37	-	4.1	-	1.5		7.0	1.45	-	18.9	-	19.6	31.0	2.93	-	.3
LAKE MEAD	7.1	3.35	-	14.2	-	13.7		3.7	1.85	-	9.2	-	10.9	2.84	11.0	-	12.1
PACIFIC	53.3	3.35	-	3.5	-	1.1		78.4	1.81	-	4.0	-	7.3	131.7	2.43	-	.8
PUGET SOUND	20.7	3.32	-	3.9	-	.3		31.6	1.82	-	3.9	-	7.3	52.3	2.41	-	7
INLAND EMPIRE	3.9	3.31	-	.9	-	1.5		8.4	1.76	-	5.1	-	9.2	12.2	2.25	-	3.1
OREGON - WASHINGTON	28.8	3.38	-	3.5	-	1.6		38.4	1.80	-	3.8	-	6.9	67.2	2.48	-	.5
COMBINED AREAS 4/	1,758.0	3.32	-	5.1	-	2.5		1,104.1	1.49	-	3.1	-	4.9	2,862.2	2.62	-	2.1
COMBINED AREAS ADJ.																	
CALENDAR COMPOSITION 5/	1,799.4	---	-	1.6	-	1.6		1,138.0	---	-	8.8	-	6.1	2,935.6	---	-	2.0
NEW YORK - NEW JERSEY 6/	---	---	---	---	---	---		---	---	---	---	---	---	398.2	---	-	.1

1/ In-area sales represent total sales in each of the areas by handlers regulated under the respective orders, by handlers regulated under other orders, by partially regulated handlers, and by producer-handlers. Sales routes of handlers may extend outside defined marketing area; therefore, some handler in-area sales are partially estimated.

2/ Plain and flavored whole milk.

3/ Plain, fortified, and flavored skim and lowfat milk and buttermilk.

4/ Represents the marketing area after the merger and expansion of May 1, 1977. Some data are estimated.

5/ Figures adjusted to calendar composition. See special article in this issue.

6/ Small amount of sales estimated.

TABLE 9.—PACKAGED SALES OF INDIVIDUAL WHOLE MILK PRODUCTS AND LOWFAT AND SKIM MILK PRODUCTS IN '66 SELECTED MARKETING AREAS DEFINED BY FEDERAL MILK ORDERS, JANUARY 1978 TO DATE, WITH COMPARISONS 1/

PRODUCT NAME	JANUARY		FEBRUARY		MARCH		
	SALES	BF. CON- TENT	CHANGE FROM 1977 MONTH	SALES	BF. CON- TENT	SALES	BF. CON- TENT
	MIL. LB.	PERCENT	MIL. LB.	PERCENT	MIL. LB.	PERCENT	MIL. LB.
FLUID WHOLE MILK PRODUCTS*	1,923	3.34	-1.0	1,730	3.34	-1.2	1.1
WHOLE MILK FLAVORED WHOLE MILK PRODUCTS	1,844 79	3.34 3.37	-9 -3.2	1,653 77	3.33 3.37	-9 -7.1	5.2
FLUID LOWFAT AND SKIM MILK PRODUCTS*	1,150	1.51	6.0	1,059	1.50	6.1	5.9
2% LOWFAT MILK PRODUCTS 2/ 2% LOWFAT MILK - PLAIN 2% LOWFAT MILK - MILK SOLIDS ADDED	600 277	1.83 1.53	9.9 2.4	545 253	1.82 1.54	9.1 6.1	4.1
SKIM MILK PRODUCTS							
SKIM MILK - PLAIN SKIM MILK - MILK SOLIDS ADDED	66 65	25 28	5.1 8.6	62 62	25 29	2.6 7.2	3.9
FLAVORED LOWFAT AND SKIM MILK PRODUCTS BUTTERMILK	86 56	1.40 1.07	9.3 5.5	87 51	1.39 1.06	5.3 .7	7.3
TOTAL	3,073	2.65	1.5	1.5	2.789	2.64	1.5
TOTAL ADJUSTED FOR CALENDAR COMPOSITION 3/	3,139	—	2.0	2.0	—	1.5	1.5
PRODUCT NAME	APRIL		MAY		JUNE		
FLUID WHOLE MILK PRODUCTS*	1,758	3.32	-5.1	2.5			
WHOLE MILK FLAVORED WHOLE MILK PRODUCTS	1,674 84	3.32 3.35	-5.2 -2.7	2.2 7.4			
FLUID LOWFAT AND SKIM MILK PRODUCTS*	1,104	1.49	3.1	4.9			
2% LOWFAT MILK PRODUCTS 2/ 2% LOWFAT MILK - PLAIN 2% LOWFAT MILK - MILK SOLIDS ADDED	568 255	1.81 1.54	8.6 5.7	9.7 .2			
SKIM MILK PRODUCTS							
SKIM MILK - PLAIN SKIM MILK - MILK SOLIDS ADDED	66 66	24 28	4.7 7.5	4.5 7.8			
FLAVORED LOWFAT AND SKIM MILK PRODUCTS BUTTERMILK	95 54	1.37 1.05	1.3 5.7	5.2 1.9			
TOTAL	2,862	2.62	2.1	.2			
TOTAL ADJUSTED FOR CALENDAR COMPOSITION 3/	2,936	—	2.0	1.2			

* MAY INCLUDE SMALL AMOUNTS OF MISCELLANEOUS WHOLE MILK AND LOWFAT AND SKIM MILK PRODUCTS.

1/ SEE TABLE 8 FOR 46 MARKETS INCLUDED. EXCLUDES THE NEW YORK-NEW JERSEY MARKET.

2/ INCLUDES 1% LOWFAT MILK PRODUCTS.

3/ FIGURES ARE ADJUSTED TO ELIMINATE VARIATIONS DUE TO CALENDAR COMPOSITION. SEE SPECIAL ARTICLE IN THIS ISSUE.

TABLE 10.—PACKAGED SALES OF WHOLE MILK ITEMS, LOWFAT AND SKIM MILK ITEMS, MILK AND CREAM MIXTURES, CREAM ITEMS, AND TOTAL FLUID ITEMS BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, GROUPED BY REGION, APRIL 1978, WITH COMPARISONS 1/

REGION 2/	WHOLE MILK ITEMS 3/			LOWFAT AND SKIM MILK ITEMS 4/			MILK AND CREAM MIXTURES			CREAM ITEMS 5/			TOTAL FLUID ITEMS 6/			
	SALES		8F. CON- TENT	SALES		8F. CON- TENT	SALES		8F. CON- TENT	SALES		8F. CON- TENT	SALES		8F. CON- TENT	8F. CHANGE 1978 FROM 1977 7/
	MIL. LBS.	PERCENT	MIL. LBS.	PERCENT	MIL. LBS.	PERCENT	MIL. LBS.	PERCENT	MIL. LBS.	PERCENT	MIL. LBS.	PERCENT	MIL. LBS.	PERCENT	MIL. LBS.	PERCENT
NEW ENGLAND	181	3.34	7.1	54	0.96	8.8	2.6	10.8	9.0	3.9	23.0	8.0	244	3.20	4.0	
MIDDLE ATLANTIC	184	3.30	6.0	81	1.26	4.4	1.9	10.9	2.4	1.3	25.2	21.6	271	2.85	3.7	
SOUTH ATLANTIC	171	3.29	3.0	79	1.25	4.9	1.9	10.6	12.0	1.2	22.1	14.1	255	2.79	1.1	
EAST NORTH CENTRAL	584	3.28	6.2	407	1.55	2.1	9.4	10.9	5.5	8.6	17.9	9.9	1,014	2.77	3.1	
WEST NORTH CENTRAL	175	3.28	5.3	228	1.54	2.1	4.0	10.9	10.4	3.7	22.6	13.4	412	2.55	1.5	
EAST SOUTH CENTRAL	76	3.34	7.0	45	1.46	2.6	0.3	11.5	73.8	0.4	20.2	53.6	122	2.71	6.3	
WEST SOUTH CENTRAL	315	3.40	3.0	96	1.33	1.8	2.1	11.0	16.0	2.3	21.4	20.1	417	3.05	2.1	
MOUNTAIN	95	3.38	.5	75	1.67	6.4	1.9	11.0	8.1	1.9	22.4	1.4	176	2.93	3.1	
PACIFIC	55	3.33	.3	80	1.80	8.4	1.7	11.6	.8	1.3	25.5	12.9	140	2.73	4.8	
TOTAL OF REGIONS	1,836	3.32	4.9	1,146	1.48	3.2	25.9	10.9	7.5	24.6	21.1	12.9	3,051	2.83	2.2	

1/ TOTAL PACKAGED DISPOSITION, IN AND OUT OF THE MARKETING AREA, BY REGULATED HANDLERS.

2/ SEE PAGE 7 FOR MARKETS INCLUDED IN EACH REGION. MIDDLE ATLANTIC EXCLUDES NEW YORK-NEW JERSEY. THIS MARKET IS ALSO EXCLUDED FROM THE TOTAL.

3/ PLAIN AND FLAVORED WHOLE MILK.

4/ PLAIN, FORTIFIED, AND FLAVORED SKIM AND LOWFAT MILK, AND BUTTERMILK.

5/ LIGHT, HEAVY, AND SOUR CREAM, AND CREAM DIPS.

6/ INCLUDES YOGURT AND EGGNOG.

7/ PERCENTAGE CHANGES OVER THE PREVIOUS YEAR ARE BASED ON THE SAME NUMBER OF COMPARABLE MARKETS.

TABLE 11.—PACKAGED SALES OF MILK AND CREAM MIXTURES, CREAM PRODUCTS, YOGURT, AND EGGNOG BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS. JANUARY 1978 TO DATE, WITH COMPARISONS 1/

PRODUCT NAME	JANUARY				FEBRUARY				MARCH				
	SALES		CHANGE 1978 FROM 1977 2/		SALES		CHANGE 1978 FROM 1977 2/		SALES		CHANGE 1978 FROM 1977 2/		
	8F- CONT- ENT	MONTH	YEAR TO DATE	MONTH	YEAR TO DATE	MONTH	YEAR TO DATE	MONTH	YEAR TO DATE	MONTH	YEAR TO DATE	PERCENT	
	1,000 LB.		PERCENT		1,000 LB.		PERCENT		1,000 LB.		1,000 LB.	PERCENT	
MILK AND CREAM MIXTURES	26,153	11.2	-	2.6	-	24.6	-	24,728	10.9	-	5.5	-	
TOTAL CREAM PRODUCTS	22,641	20.3	-	3.9	-	3.9	-	23,998	20.7	-	2.3	-	
LIGHT CREAM	4,177	18.4	-	1.1	-	21.1	-	4,152	19.4	-	8.5	-	
HEAVY CREAM	3,928	34.7	-	21.0	-	21.0	-	4,623	34.8	-	9.1	-	
SOUR CREAM	14,536	16.9	-	.9	-	.9	-	15,223	16.8	-	2.3	-	
YOGURT	15,473	1.9	6.6	6.6	-	14,994	1.6	-	6.5	-	.3	-	
EGGNOG	471	27.3	-	-	-	-	-	33	7.4	-	-	-	
PRODUCT NAME		APRIL				MAY				JUNE			
MILK AND CREAM MIXTURES	25,850	10.9	-	7.5	-	4.4	-						
TOTAL CREAM PRODUCTS	24,626	21.1	-	12.9	-	1.7	-						
LIGHT CREAM	4,646	18.5	-	0	-	6.9	-						
HEAVY CREAM	5,137	34.8	-	23.7	-	10.5	-						
SOUR CREAM	15,043	17.2	-	12.0	-	.9	-						
YOGURT	18,669	1.9	-	14.4	-	7.9	-						
EGGNOG	11	5.6	-	-	-	-	-						

1/ TOTAL PACKAGED DISPOSITION IN AND OUT OF THE MARKETING AREA BY REGULATED HANDLERS. EXCLUDES THE NEW YORK-NEW JERSEY MARKET.

2/ PERCENTAGE CHANGES OVER THE PREVIOUS YEAR ARE BASED ON THE SAME NUMBER OF COMPARABLE MARKETS. DUE TO A CHANGE IN THE REPORTING OF THESE PRODUCTS BETWEEN 1977 AND 1978, THESE PERCENTAGE CHANGES MAY BE SOMEWHAT OVERSTATED.

TABLE 12. MILK, SKIM MILK, AND CREAM UTILIZED IN THE MANUFACTURE OF DAIRY PRODUCTS BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, GROUPED BY REGION, APRIL 1977 1/

REGION 2/	BUTTER	CHEESE	FROZEN DESSERTS	MILK, SKIM MILK AND CREAM POUNDS		CONDENSED MILK 3/	CLASS I/I/II MILK SOLIDS USED TO FORTIFY CLASS I	OTHER FACTORY PRODUCTS AND USES 4/	TOTAL
				COTTAGE CHEESE	SKIM MILK POWDER				
<u>1,000 LBS.</u>									
NEW ENGLAND AND MIDDLE ATLANTIC	5,753	115,840	49,944	40,372	78,122	58,486	3,253	36,552	388,322
SOUTH ATLANTIC	2,010	21,114	15,746	6,832	7,981	0	3,199	9,743	66,625
EAST NORTH CENTRAL	41,677	615,465	77,675	124,754	201,830	138,524	8,578	81,876	1,290,380
WEST NORTH CENTRAL	31,660	487,121	30,977	44,092	261,457	16,525	2,446	25,624	899,902
EAST SOUTH CENTRAL	2,961	24,162	9,286	5,824	19,031	2,235	758	5,698	69,955
WEST SOUTH CENTRAL	7,088	86,319	25,916	23,782	44,138	19,345	5,018	21,321	232,928
MOUNTAIN	2,365	51,554	15,685	20,921	5,063	209	2,476	4,135	102,407
PACIFIC	9,070	57,193	12,365	19,903	55,681	4,296	615	3,572	162,694
TOTAL OF REGIONS 5/	102,584	1,458,768	237,592	286,480	673,304	239,620	26,343	188,521	3,213,212

BUTTERFAIR POUNDS
1,000 LBS.

REGION 2/	BUTTER	CHEESE	FROZEN DESSERTS	MILK, SKIM MILK AND CREAM POUNDS		CONDENSED MILK 3/	CLASS I/I/II MILK SOLIDS USED TO FORTIFY CLASS I	OTHER FACTORY PRODUCTS AND USES 4/	TOTAL
				COTTAGE CHEESE	SKIM MILK POWDER				
<u>1,000 LBS.</u>									
NEW ENGLAND AND MIDDLE ATLANTIC	3,224	4,212	7,046	315	53	699	0	2,121	17,670
SOUTH ATLANTIC	777	781	1,953	247	0	0	0	397	4,155
EAST NORTH CENTRAL	17,224	23,507	8,777	1,368	245	1,307	0	3,152	55,579
WEST NORTH CENTRAL	13,316	17,987	3,141	475	137	185	0	1,096	36,338
EAST SOUTH CENTRAL	1,147	859	956	76	0	80	0	242	3,361
WEST SOUTH CENTRAL	1,889	2,780	2,981	216	37	471	0	1,016	9,389
MOUNTAIN	777	1,795	1,340	183	3	7	0	189	4,294
PACIFIC	3,270	2,132	1,127	176	26	167	0	159	7,057
TOTAL OF REGIONS 5/	41,624	54,053	27,321	3,056	501	2,918	0	8,370	137,843

1/ INCLUDES PRODUCER MILK AND SOME OTHER SOURCE MILK USED TO PRODUCE MANUFACTURED DAIRY PRODUCTS IN REGULATED PCOL PLANTS AS WELL AS MILK DIVERTED AND SHIPPED TO NON-REGULATED PLANTS FOR PROCESSING. SOME DATA ARE PARTIALLY ESTIMATED.

2/ SEE PAGE 7 FOR MARKETS INCLUDED IN EACH REGION. MIDDLE ATLANTIC EXCLUDES NEW YORK-NEW JERSEY. THIS MARKET IS ALSO EXCLUDED FROM THE TOTAL.

3/ INCLUDES CONDENSED SKIM MILK AND CONDENSED WHOLE MILK.

4/ OTHER FACTORY PRODUCTS INCLUDE EVAPORATED WHOLE MILK, MILK, SKIM MILK, AND CREAM USED IN FOOD PRODUCTS. WHOLE MILK POWDER, AND AERATED, FROZEN AND PLASTIC CREAM. OTHER USES INCLUDE MILK, SKIM MILK, AND CREAM USED FOR ANIMAL FEED. UNIDENTIFIED PRODUCTS. OMPED OR SPILLED, AND PLANT LOSSES.

5/ TOTALS MAY NOT ADD DUE TO ROUNDING

TABLE 13. MILK, SKIM MILK, AND CREAM UTILIZED IN THE MANUFACTURE OF DAIRY PRODUCTS BY HANDLERS REGULATED UNDER FEDERAL MILK ORDERS, GROUPED BY REGION, APRIL 1978 1/

REGION 2/	BUTTER		FROZEN DESSERTS	COTTAGE CHEESE	SKIM MILK POWDER	CONDENSED MILK 3/	CLASS II/III MILK SOLIDS USED TO FORTIFY CLASS I	OTHER FACTORY PRODUCTS AND USES 4/	TOTAL
	CHEESE	BUTTER							
<u>MILK, SKIM MILK, AND CREAM POUNDS</u> <u>1,000 LBS.^{5/}</u>									
NEW ENGLAND AND MIDDLE ATLANTIC	13,261	124,524	41,519	36,237	85,794	57,074	2,622	30,465	391,496
SOUTH ATLANTIC	2,291	16,284	15,383	2,352	5,551	845	2,737	10,517	57,561
EAST NORTH CENTRAL	39,161	648,514	72,985	124,292	165,577	137,111	7,074	82,523	1,277,237
WEST NORTH CENTRAL	31,089	496,247	30,922	42,563	235,696	14,106	2,173	22,103	874,899
EAST SOUTH CENTRAL	1,604	20,250	12,654	4,874	6,951	3,050	714	7,991	58,090
WEST SOUTH CENTRAL	4,321	65,366	26,915	21,452	44,246	18,198	4,758	15,361	200,617
MOUNTAIN	2,123	41,780	16,275	22,658	3,831	5,100	2,527	5,103	99,397
PACIFIC	10,338	60,212	12,259	20,677	57,502	3,869	714	3,739	169,309
TOTAL OF REGIONS 5/	104,188	1,475,178	228,912	275,106	605,148	239,353	23,319	177,802	3,429,006
<u>BUTTERFAT POUNDS</u> <u>1,000 LBS.^{5/}</u>									
NEW ENGLAND AND MIDDLE ATLANTIC	4,673	4,530	7,176	265	68	334	0	1,477	18,523
SOUTH ATLANTIC	846	645	2,005	57	0	7	0	382	3,942
EAST NORTH CENTRAL	16,591	24,965	8,217	1,223	255	1,130	0	3,135	55,517
WEST NORTH CENTRAL	12,764	18,205	3,246	404	139	157	0	940	35,855
EAST SOUTH CENTRAL	603	735	1,112	46	0	111	0	345	2,952
WEST SOUTH CENTRAL	1,731	2,063	3,360	219	40	459	0	628	8,501
MOUNTAIN	775	1,556	1,436	179	2	14	0	210	4,171
PACIFIC	3,419	2,298	1,119	189	43	114	0	172	7,355
TOTAL OF REGIONS 5/	41,401	54,996	27,672	2,583	548	2,327	0	7,288	136,815

1/ INCLUDES PRODUCER MILK AND SOME OTHER SOURCE MILK USED TO PRODUCE MANUFACTURED DAIRY PRODUCTS IN REGULATED PDDL PLANTS AS WELL AS MILK DIVERTED AND SHIPPED TO NON-ORDER PLANTS FOR PROCESSING. SOME DATA ARE PARTIALLY ESTIMATED.

2/ SEE PAGE 7 FOR MARKETS INCLUDED IN EACH REGION. MIDDLE ATLANTIC EXCLUDES NEW YORK-NEW JERSEY. THIS MARKET IS ALSO EXCLUDED FROM THE TOTAL.

3/ INCLUDES CONDENSED SKIM MILK AND CONDENSED WHOLE MILK.

4/ OTHER FACTORY PRODUCTS INCLUDE EVAPORATED WHOLE MILK, MILK, SKIM MILK, AND CREAM USED IN FOOD PRODUCTS, WHOLE MILK POWDER, AND AERATED, FROZEN AND PLASTIC CREAM. OTHER USES INCLUDE MILK, SKIM MILK, AND CREAM USED FOR ANIMAL FEED, UNIDENTIFIED PRODUCTS, DUMPED OR SPILLED, AND PLANT LOSS.

5/ TOTALS MAY NOT ADD DUE TO ROUNDING

Table 14.—Percentage of whole milk equivalent used in the production of manufactured dairy products, in Federal order markets, January 1978 to date, with comparisons 1/

Manufactured dairy products	January 1978	February 1977	March 1978	April 1977	May 1978	June 1977
<u>Percent</u>						
Butter	35.8	35.8	34.0	34.2	31.5	30.8
Cheese	36.5	35.7	37.4	35.7	38.3	36.5
Frozen desserts	16.3	17.2	18.4	18.8	19.0	21.2
Cottage cheese	1.9	2.1	2.0	2.3	2.1	2.4
All other 2/	9.5	9.2	8.2	9.0	9.1	7.4
Total	100.0	100.0	100.0	100.0	100.0	100.0

Manufactured dairy products	July 1978	August 1977	September 1978	October 1977	November 1978	December 1977
<u>Percent</u>						
Butter	1	1	1	1	1	1
Cheese	1	1	1	1	1	1
Frozen desserts	1	1	1	1	1	1
Cottage cheese	1	1	1	1	1	1
All other 2/	1	1	1	1	1	1
Total	1	1	1	1	1	1

1/ Data represent whole milk equivalent based on milkfat content. Includes producer milk and some other source milk used to produce manufactured dairy products in regulated pool plants as well as milk diverted and shipped to non-order plants for processing. Some of the data are partially estimated. Excludes New York-New Jersey.

2/ Milk, skim milk and cream used in other manufactured products, i.e. evaporated milk, condensed milk, whole and skim milk powder, aerated, frozen and plastic cream; and cream and cheese dips; and milk, skim milk, and cream used in food products as well as used in animal feed, dumped or spilled, plant loss and unidentified.

Table 15.—Federal order base and excess prices for milk of 3.5 percent butterfat content, May 1/

Marketing area	Base price		Excess price		Marketing area	Base price		Excess price		
	May		May			May		May		
	1978	1977	1978	1977		1978	1977	1978	1977	
	Dollars per 100 lb.		Dollars per 100 lb.			Dollars per 100 lb.		Dollars per 100 lb.		
Central Arkansas	10.95	10.19	9.62	8.55	Nashville	10.32	9.45	9.25	8.62	
Fort Smith	10.99	9.97	10.11	9.05	Oregon-Washington	10.44	9.70	9.25	8.62	
Georgia 2/	11.15	10.37	9.25	8.62	Puget Sound 2/	10.87	10.06	9.25	8.62	
Memphis	10.99	10.21	9.35	8.68	Southern Michigan	10.13	9.39	9.25	8.62	
Middle Atlantic	10.71	10.06	9.08	8.45	Tennessee Valley	10.87	—	9.25	—	

1/ See footnotes on table 2 for location at which price is reported.
 2/ Class I base plan.

Table 16.—Seasonal incentive fund excluded under various Federal milk orders, May

Marketing area	May		May		Marketing area	May		May		
	1978		1977			1978		1977		
	Dollars per 100 lb.		Dollars per 100 lb.			Dollars per 100 lb.		Dollars per 100 lb.		
Central Illinois	0.25	0.25	0.25	0.25	New York-New Jersey	0.40	0.40	0.40	0.40	
Eastern Ohio-W. Pa.	•25	•25	•25	•25	Ohio Valley	•25	•25	•25	•25	
Indiana 1/	•25	•25	•25	•25	Paducah	•50	•50	•50	•50	
Louisville-Lexington-	•40	•40	•40	•40	St. Louis-Osarks	•25	•25	•25	•25	
Evansville	•40	•40	•40	•40	Southern Illinois	•25	•25	•25	•25	
New England	•40	•40	•40	•40		•25	•25	•25	•25	
						•25	•25	•25	•25	
						•25	•25	•25	•25	

1/ Seasonal incentive payment plan has been suspended for the period April through December 1978.

Table 17.—Dairy product prices and manufacturing milk prices January 1978 to date with comparisons

		BUTTER 1/		CHEDDAR CHEESE 1/		NONFAT DRY MILK 2/		DRIED WHEY, EDIBLE 1/	
		New York		Wis. assembling points		Chicago area plant		Central States Production Area	
Grade A	Grade AA	Barrel	Barrel	Blocks	Blocks	Spray process	Spray process	NonHydro/Hydro 3/	NonHydro/Hydro 3/
1978	1977	1978	1977	1978	1977	1978	1977	1978	1977
Cents per pound									
January	100.71	90.82	104.88	94.00	93.09	84.01	100.08	92.62	68.00
February	100.71	90.82	104.42	94.00	95.80	84.76	100.84	92.62	67.84
March	101.15	92.68	107.55	97.01	97.00	88.51	101.38	93.80	67.98
April	105.20	100.06	109.94	103.83	98.25	93.38	102.62	97.89	69.71
May	106.71	100.71	110.35	103.75	98.25	92.67	102.62	97.86	70.71
June		100.71		103.75		89.76		97.42	
July		100.71		103.75		92.34		97.12	
August		100.71		103.85		93.00		97.12	
September		100.72		105.46		94.45		98.29	
October		100.73		106.97		94.13		98.26	
November		100.89		106.26		93.79		98.82	
December		101.54		107.44		95.02		100.12	
Average		98.42		102.51		91.32		96.83	
								66.22	
									11.62

		Prices paid for manufacturing grade milk, 3.5% butterfat content		Butter powder "Snubber" 5/	
Month		Minn.-Wis. Manuf.	Grade milk 4/		
					1977
				Dollars per 100 lb.	
January		8.91		8.19	
February		9.00		8.16	
March		9.09		8.31	
April		9.24		8.60	
May		9.25		8.62	
June				8.60	
July				8.65	
August				8.64	
September				8.74	
October				8.74	
November				8.79	
December				8.87	

1/ "Dairy Market News," AMS. 2/ 26th of preceding month through 25th of current month, as reported by ESSCS. 3/ Simple average of hygroscopic and nonhygroscopic. 4/ Average price reported paid to producers for manufacturing grade milk, f.o.b. plants in Minnesota-Wisconsin as reported by ESSCS. 5/ 5 percent price converted by using Chicago Grade A butter price times 0.120. 5/ (Chicago Grade A butter price times 4.2) plus (nonfat dry milk, spray, Chicago area plant price times 8.2) less 48 cents.

Table 18.—U.S. milk prices, U.S. milk feed ratio, and general price measures, January 1978 to date

Month	Prices paid by farmers 2/10/ 1973 : 1977	Price received by farmers			Parity			Wholesale			Price indexes			Retail q/ Indexes 1977=100
		All farm products	Livestock & products	Dairy products	2/11/ products	All commodities	commodities	Dairy products	All items	All items	All food	Dairy products		
		1973 : 1977	1973 : 1977	1973 : 1977	1973 : 1977	1973 : 1977	1973 : 1977	1973 : 1977	1978 : 1977	1978 : 1977	1977 : 1977	1977 : 1977	1977 : 1977	
January	209	198	186	183	185	170	203	192	89	92	199.9	188.0	178.0	166.8
February	211	200	193	186	196	174	203	190	91	93	202.0	190.0	178.7	166.9
March	214	202	190	204	171	187	203	192	94	93	203.8	190.3	178.2	168.1
April	216	204	208	191	209	172	201	187	96	94	206.4	194.3	189.5	173.6
May	219	204	215	193	217	176	199	185	98	95	207.9	195.2	184.5	174.2
June		204	184	173	186	90	186	194	90	95	191.4	174.3	181.3	174.3
July		203	180	179	189	89	189	194	89	89	194.9	175.1	182.6	174.6
August		201	175	177	193	87	193	196	87	87	196.6	177.4	183.3	175.2
September		201	174	177	199	87	199	195	87	87	195.3	175.7	184.0	174.5
October		201	178	177	203	89	203	196	89	89	196.3	174.9	184.5	176.4
November		202	179	174	203	89	203	197	89	89	197.0	175.7	185.5	176.6
December		203	181	180	205	89	205	198	89	89	198.2	178.2	186.1	176.5
Average		202	183	175	193	91	193	190.2	91	91	190.2	173.4	181.5	173.9

Seasonally adjusted. ⁷ Price at test adjusted to a 3.67 percent fat test by using Chicago Grade A butter price times 0.120 as a percentage of parity price equivalent. ⁸ "Wholesale Prices and Price Indexes," BLS. ⁹ "Consumer Price Index," BLS. The data for 1978 represent the new index for all urban consumers. This index was not available in 1977. ¹⁰ For commodities and services, interest, taxes, and wage rates. ¹¹ Ratio of the current month.

Table 19.—Retail prices paid by consumers for dairy products, United States, January 1978 to date, with comparisons 1/

Month	Whole milk and skim milk		Ice cream		Cheese		Butter 2/	
	At stores		prepackaged 1/		American process 4/			
	Whole milk 2/	Skim milk 3/						
	1978	1977	1978	1977	1978	1977	1978	1977
	Cents per $\frac{1}{2}$ gal.		Cents per $\frac{1}{2}$ gal.		Cents per $\frac{1}{2}$ lb.		Cents per lb.	
Jan.	84.8	83.2	80.7	79.2	139.6	130.5	88.5	87.9
Feb.	85.3	83.6	81.9	78.7	141.1	130.7	92.4	84.0
Mar.	85.8	83.5	81.9	78.4	141.5	131.2	92.2	84.3
Apr.	86.7	83.4	82.8	78.5	142.1	130.2	92.8	84.8
May	87.2	83.5	82.3	78.6	144.3	134.7	93.6	85.7
June								
July								
Aug.								
Sept.								
Oct.								
Nov.								
Dec.								
Si. av.								
	83.9		79.3		135.1		86.2	

1/ "Estimated Retail Food Prices by Cities," Bureau of Labor Statistics, U.S. Department of Labor.

2/ 56-city average. 3/ 25-city average. 4/ 45-city average.

Table 20.—Prevailing prices paid by consumers for the most common grade of whole milk, skim milk, ice cream, cheese, American process, and butter, 23 cities, May 1978, with comparisons 1/

Market	Prices at stores				Ice cream		Cheese		Butter	
	Whole milk		Skim milk		prepackaged		American process			
	May	May	May	May	May	May	May	May	May	May
	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977
	Cents per half gallon				Cents per $\frac{1}{2}$ gal.		Cents per $\frac{1}{2}$ lb.		Cents per lb.	
Atlanta, Ga.	113.4	100.7	—	—	153.5	124.9	93.3	89.4	144.3	134.8
Baltimore, Md.	86.3	84.4	—	—	148.6	129.5	94.1	90.2	151.0	136.3
Boston, Mass.	82.3	79.2	—	—	150.2	143.8	90.3	81.5	142.0	123.7
Buffalo, N.Y.	89.1	86.8	—	—	133.2	127.5	88.1	83.5	124.8	119.0
Chicago, Ill.-N.W.-Ind.	89.3	82.4	73.7	80.6	133.8	129.3	89.2	84.6	145.4	135.9
Cincinnati, Ohio	90.7	85.7	88.9	84.7	140.9	129.9	88.9	87.8	149.6	138.4
Cleveland, Ohio	76.5	77.1	—	—	127.7	118.4	93.8	94.3	142.7	143.1
Dallas, Texas	98.1	86.7	92.2	81.3	145.6	132.8	92.5	86.8	142.5	140.3
Detroit, Mich.	87.5	76.0	—	—	145.7	128.0	91.5	88.9	140.1	124.8
Honolulu, Hawaii	119.7	112.5	118.0	109.9	181.5	163.0	104.5	103.7	154.4	138.4
Houston, Texas	106.2	97.8	108.1	95.4	170.7	149.9	111.6	97.8	150.3	144.9
Kansas City, Mo.	90.1	84.0	84.2	79.2	136.1	126.1	95.7	89.6	162.3	148.1
Los. Ang.-L. Beach, Ca.	71.1	66.5	63.3	57.2	131.3	119.8	96.1	89.8	140.4	132.8
Milwaukee, Wisc.	87.2	80.7	82.6	74.6	125.3	132.0	92.7	94.8	123.2	118.1
Mpls.-St. Paul, Minn.	79.5	76.2	62.7	63.6	125.3	120.5	97.5	97.7	135.1	126.1
New York-N.E. N.J.	89.5	86.0	—	—	175.0	168.6	91.9	88.1	148.7	142.1
Philadelphia, Pa.	92.3	87.5	—	—	172.7	153.9	88.4	82.3	153.8	137.6
Pittsburgh, Pa.	84.4	80.6	83.3	80.1	139.5	120.6	95.2	90.2	138.9	126.2
St. Louis, Mo.	88.1	81.0	82.1	76.7	138.5	131.9	96.3	88.9	140.0	133.3
San Diego, Calif.	70.2	66.2	63.4	58.9	137.1	131.7	97.6	92.2	145.9	136.2
San Fran.-Oak., Calif.	72.8	70.3	—	—	136.5	131.8	102.6	98.3	139.1	131.3
Seattle, Wash.	85.8	80.6	83.0	76.3	140.5	136.0	99.7	92.6	136.8	127.9
Washington, D.C.-Md.-Va.	87.2	85.9	73.0	71.1	158.7	157.8	96.7	88.7	154.8	142.4
United States 2/	87.2	83.5	82.3	78.6	144.3	134.7	93.6	85.7	142.4	133.8

1/ "Estimated Retail Food Prices by Cities," Bureau of Labor Statistics, U.S. Dept. of Labor. The primary use of these prices by BLS is for time-to-time rather than place-to-place comparisons.

2/ 56-city average for whole milk and butter, 25-city average for skim milk, and 45-city average for ice cream and cheese, at stores.

Table 21.--U.S. production, January 1978 to date, with comparisons

Month	Milk 1/		Butter 2/		Total Cheese		Nonfat dry milk 2/		Frozen desserts	
	1978*	1977**	1978*	1977**	1978*	1977**	1978*	1977**	1978*	1977**
	Bil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. gals.	Mil. gals.
Jan.	10.0	9.9	108.3	105.6	274.0	264.8	79.7	71.5	69.5	69.9
Feb.	9.3	9.3	95.7	96.2	260.6	254.0	70.6	72.3	75.5	75.7
Mar.	10.5	10.6	97.7	98.4	311.8	299.2	84.4	87.5	98.6	101.1
Apr.	10.7	10.7	98.5	100.4	306.2	301.9	96.4	107.1	95.2	98.0
May	11.2	11.4	96.7	103.9	328.7	326.6	103.0	119.6	108.2	104.4
June		11.0		95.0		314.1		132.7		120.8
July		10.7		84.2		282.6		120.7		118.9
Aug.		10.4		78.2		271.6		100.7		121.9
Sept.		9.9		75.5		251.4		78.4		105.0
Oct.		9.8		84.9		254.3		71.5		85.4
Nov.		9.4		81.8		248.5		65.9		78.9
Dec.		9.8		89.3		275.0		77.5		73.4
Year to date 3/	51.8	123.0	497.0	1,093.6	1,481.4	1,344.3	434.2	1,105.2	447.1	1,153.3

* Preliminary.

** Partially revised.

1/ "Milk Production," ESCS.

2/ "Dairy Products," ESCS. Frozen desserts include ice cream, ice milk, and sherbert.

3/ May not add due to rounding.

Table 22.--Commercial and government storage holdings, January 1978 to date, with comparisons

Month	Storage Holdings 1/									
	Butter 2/			Total Cheese 2/			Nonfat dry milk 2/			
	Total 3/	Total 3/	Total 3/	Total 3/	Total 3/	Total 3/	Gov't	1978*	1978*	Total 3/
Commer-	Gov't	Gov't	Gov't	Commer-	Gov't	Gov't	Commer-	Gov't	1978*	1978*
cial	1978*	1978*	1977**	cial	1978*	1978*	cial	1978*	1978*	1977*
1978				1978*			1978	4/	5/	
	Million pounds			Million pounds			Million pounds			
Jan.	55.8	142.9	198.7	67.7	422.1	38.1	460.2	485.7	61.4	628.0
Feb.	57.6	158.4	215.9	94.2	405.6	37.0	442.6	471.2	55.2	626.2
Mar.	45.4	190.2	235.6	106.3	399.7	31.4	431.0	485.8	49.8	612.3
Apr.	49.0	196.6	245.6	128.2	421.9	26.3	448.2	510.3	79.1	607.4
May	49.6	211.8	261.4	163.8	438.7	21.7	460.4	557.2	86.8	600.9
June				197.1				583.7		
July				209.0				592.9		
Aug.				208.6				592.9		
Sept.				203.3				553.9		
Oct.				195.4				502.8		
Nov.				193.4				479.8		
Dec.				184.9				468.6		

* Preliminary.

** Based on partially revised data.

1/ End of month.

2/ "Cold Storage Reports," ESCS.

3/ May not add due to rounding.

4/ "Dairy Products," ESCS.

5/ "Summary of Processed Commodities in store," ASCS.

Table 23.--U.S.D.A. purchases (Delivery basis), January 1978 to date, with comparisons

Month	1978	1977	1978	1977	1978	1977	Nonfat dry milk	Milk equivalent of net U.S.D.A. purchases 2/
	1,000 lb.		1,000 lb.		1,000 lb.		1,000 lb.	Mil. lb.
Jan.	25,994	32,411	1,446	1,849	29,059	32,801	554	846
Feb.	26,678	31,520	1,593	23,275	22,642	30,230	556	883
Mar.	2,128	11,599	244	17,796	12,086	13,899	43	417
Apr.	24,367	25,880	1,867	6,585	27,575	37,259	509	602
May	34,616	43,663	6,349	13,986	51,534	62,767	777	1,043
June		35,057		23,167		78,224		954
July		15,988		16,829		67,787		501
Aug.		13,466		23,999		62,697		521
Sept.		317		2,892		38,278		39
Oct.		6,972		1,409		26,422		162
Nov.		5,448		380		22,047		119
Dec.		260		350		20,263		6
Year to date	113,783	222,581	3/11,499	4/ 148,519	142,896	492,674	5/ 2,439	6/ 6,092

1/ "Dairy Price Support Activity Report," ASCS.

2/ U.S.D.A. purchases (delivery basis) of butter, cheese, and evaporated milk, minus U.S.D.A. domestic sales for unrestricted use of butter and cheese; include purchases under price support, Section 709, Section 32, and Section 4A programs.

3/ Includes 6,833 thousand pounds purchased in 500-pounds barrels, and 2,520 thousand pounds purchased as processed cheese.

4/ Includes 21,905 thousand pounds purchased in 500-pound barrels, and 68,779 thousand pounds purchased as processed cheese.

5/ Includes 157 million pounds (milk equivalent) of evaporated.

6/ Includes 342 million pounds (milk equivalent) of evaporated.

PRODUCER MILK MARKETED UNDER FEDERAL MILK ORDERS BY STATE OF ORIGIN*

During 1977 handlers subject to 47 Federal milk marketing areas received 77.9 billion pounds of milk from nearly 123,000 producers in the 48 contiguous States. This volume of milk from producers accounted for 66 percent of all milk marketed in the U.S. and 81 percent of the milk of bottling quality sold to plants and dealers in the U.S. The value of this milk delivered to Federal order plants at order blend prices totaled 7.7 billion dollars.

Federal milk orders are authorized by the Agricultural Marketing Agreement Act of 1937. In contrast to the marketing areas where regulated handlers distribute milk to the public, which are specifically defined by the Federal orders, the milk supply areas for these regulated handlers are not specified by the orders.

In order to provide a meaningful picture of the milk supply areas of Federal order markets—the sources of the 77.9 billion pounds of producer milk—a survey was made of these producer deliveries of milk according to the States from which the deliveries originated. Some highlights of the 1977 survey of sources of milk in Federal order markets are:

- (1) Producers in 27 States marketed under Federal milk orders more than 75 percent of all milk sold to plants and dealers in those States. There were 35 States whose producers delivered more than 90 percent of their fluid grade marketings to Federal order plants. See table 1.
- (2) West South Central producers marketed under Federal milk orders the highest percentage (94 percent) of all the milk sold to plants and dealers in that region. Producers in the West South Central region also delivered the highest percentage (99 percent) of their fluid grade milk marketings to Federal order plants. As might be expected, producers in the Pacific region delivered the lowest percentages of their fluid grade and all milk marketings (22 and 23 percent, respectively) to Federal order plants. (This is due to the absence of any Federal milk orders in California, the second largest milk producing State in the country in 1977.) See table 1.
- (3) Six Federal order markets received all of their producer milk and 20 other markets received more than 90 percent of their producer milk from the State or States in which their marketing areas are located. By the way of contrast, the Southern Illinois and Central Illinois markets received only 39 and 57 percent, respectively, of their producer milk from the State in which their marketing areas are situated. See table 2.
- (4) In one market, Federal order handlers received all of their producer milk from dairy farmers in one State. Five other markets had two States as their sources of producer milk. In comparison, the Georgia and Texas markets obtained their milk supplies from producers located in nine States. Four other markets were supplied milk by dairy farmers from eight States. See table 2.
- (5) Missouri producers delivered milk to 14 Federal order markets. Producers in Illinois and Oklahoma supplied 11 Federal order markets, and Iowa producers shipped milk to 10 markets.

* Prepared by John P. Rourke, Supervisory Agricultural Marketing Specialist, Market Information Branch, Dairy Division, Agricultural Marketing Service

Table 1.—Milk deliveries, by State of origin, to handlers regulated under Federal milk orders, 1976-77 1/

State and region	Deliveries to Federal order plants						State and region	Deliveries to Federal order plants					
	As a percentage of milk			As a percentage of milk				As a percentage of milk			As a percentage of milk		
	delivered to all plants		delivered to all plants		delivered to all plants			delivered to all plants		delivered to all plants			
	Total 2/	3/	4/	Total 2/	3/	4/		Total 2/	3/	4/	Fluid grade	All milk	
	1976	1977	1976	1977	1976	1977		1976	1977	1976	1977	1976	
	Million pounds	Percent		Percent		Percent		Million pounds	Percent		Percent		
Maine	260	258	43	42	43	42	Kentucky	1,647	1,679	92	93	74	73
New Hampshire	301	306	94	95	94	95	Tennessee	1,365	1,406	87	90	69	74
Vermont	1,887	1,893	92	92	92	92	Alabama	105	103	17	17	17	16
Massachusetts	531	530	97	96	97	96	Mississippi	638	734	80	93	77	88
Rhode Island	56	53	100	100	100	100	East South Central	3,755	3,922	79	82	66	69
Connecticut	583	593	100	100	100	100							
New England	3,618	3,633	87	87	87	87	Arkansas	480	508	100	100	73	74
New York	8,492	8,512	86	86	86	86	Louisiana	942	1,036	90	99	90	99
New Jersey	506	509	98	98	98	98	Oklahoma	908	906	96	95	87	85
Pennsylvania	6,433	6,707	93	93	91	91	Texas	3,182	3,265	99	100	99	100
Middle Atlantic	15,431	15,728	89	89	88	88	West South Central	5,512	5,715	97	99	92	94
Delaware	123	127	94	95	94	95	Montana	17	20	7	8	7	8
Maryland	1,499	1,525	99	99	99	99	Idaho	297	348	51	53	20	23
Virginia	897	974	54	57	49	52	Wyoming	18	19	5/	5/	18	17
West Virginia	317	316	5/	5/	99	100	Colorado	708	724	5/	5/	94	95
N. Carolina	70	89	5	6	5	6	New Mexico	363	395	97	99	97	99
S. Carolina	54	56	11	11	11	11	Arizona	840	864	100	100	100	100
Georgia	1,252	1,256	100	100	100	100	Utah	633	630	100	97	74	72
Florida	1,928	1,898	98	99	98	99	Nevada	102	107	55	56	55	56
South Atlantic	6,140	6,241	70	70	68	69	Mountain	2,978	3,107	82	82	62	62
Ohio	3,905	3,949	98	98	89	89	Washington	2,232	2,378	100	99	100	99
Indiana	1,957	1,952	100	98	90	88	Oregon	787	838	99	100	84	86
Illinois	1,994	1,995	100	100	82	82	California	74	71	1	1	1	1
Michigan	4,243	4,377	99	99	94	95	Pacific	3,093	3,287	23	23	22	22
Wisconsin	11,843	13,317	92	98	60	65	Alaska & Hawaii	0	0	0	0	0	0
East North Central	23,942	25,590	96	98	72	75							
Minnesota	4,139	4,625	100	100	46	50							
Iowa	1,867	1,911	97	90	49	47	Total (U.S.)	74,606	77,972	79	81	65	66
Missouri	1,744	1,781	86	85	62	62							
North Dakota	195	216	66	72	23	25							
South Dakota	433	449	98	100	28	29							
Nebraska	674	687	98	100	51	54							
Kansas	1,085	1,080	93	92	78	77							
West North Central	10,137	10,749	95	95	49	50							

1/ Revised data for 1976; partially revised data for 1977.

2/ Total deliveries of milk by producers in each State to handlers regulated under Federal milk orders.

3/ Computed from data contained in "Milk Production, Disposition, and Income," 1975-1977, published by the Economics, Statistics, and Cooperatives Service, USDA. NOTE: The Federal order plants to which milk from a particular State is delivered are not located necessarily in that State.

4/ Percentage Federal order deliveries are of milk sold to plants and dealers that is eligible for fluid use ("Grade A" in most States).

5/ Not published to avoid disclosing individual operations.

Table 2.—Sources of milk for Federal milk order marketing areas: Producer deliveries, by marketing area and State, 1977 1/

Marketing area and State 2/	Producer Deliveries	State as Percentage of market	Marketing area and State 2/	Producer Deliveries	State as Percentage of market
	1,000 lb.	Percent		1,000 lb.	Percent
<u>BLACK HILLS</u> S Dak-(Wy)	73,391	100.00	<u>GREATER KANSAS CITY</u>	970,888	100.00
	73,391	100.0	Kan	473,223	48.74
<u>CENTRAL ARIZONA</u> Ariz	865,619	100.00	Mo	330,376	34.03
Calif-(N Mex)	812,160	93.82	Iowa	85,680	8.82
	53,459	6.18	Minn	53,982	5.56
			Neb	27,627	2.85
<u>CENTRAL ARKANSAS-FORT SMITH</u> 37	381,852	100.00	<u>GREATER LOUISIANA</u>	626,292	100.00
Ark	340,875	89.27	La	551,056	87.99
Mo	35,773	9.37	Miss	47,459	7.58
(Okla)-(Tex)	5,204	1.36	Tex-(Ala)	27,777	4.43
<u>CENTRAL ILLINOIS</u>	258,201	100.00	<u>INDIANA</u>	2,023,901	100.00
Ill	146,139	56.60	Ind	1,226,362	60.59
Iowa	100,324	38.85	Wis	423,355	20.92
Wis	11,738	4.55	Ill	150,305	7.43
			Mich	95,985	4.74
<u>CHICAGO REGIONAL</u>	10,067,117	100.00	Ohio	87,078	4.30
Wis	9,306,131	92.44	Iowa-(Ky)	40,816	2.02
Ill	704,710	7.00			
Iowa	47,752	.47	<u>INLAND EMPIRE</u>	288,197	100.00
Minn	5,051	.05	Wash	229,772	79.73
Mich	3,473	.04	Idaho	38,328	13.30
			Mont-(Oreg)	20,097	6.97
<u>EASTERN COLORADO</u>	819,481	100.00	<u>IOWA 4/</u>	1,687,461	100.00
Col	640,024	78.10	Iowa	1,237,610	73.34
Neb	63,551	7.76	Minn	368,410	21.83
Utah	47,274	5.77	Wis	66,406	3.94
Kan	27,328	3.33	Ill-(Mo)	15,035	.89
Idaho	17,754	2.17			
S Dak	13,957	1.70	<u>LAKE MEAD</u>	135,760	100.00
Wy-(Oreg)	9,593	1.17	Nev	104,047	76.64
			Utah	31,713	23.36
<u>EASTERN OHIO-WESTERN PENNSYLVANIA</u>	3,496,584	100.00	<u>LOUISVILLE-LEX.-EVANS.</u>	1,197,239	100.00
Ohio	1,886,264	53.95	Ky	912,592	76.23
Pa	1,294,898	37.03	Ind	276,332	23.08
N Y	183,271	5.24	Ill-(Ohio)	8,315	.69
W Va	88,954	2.54			
Md	43,197	1.24	<u>LUBBOCK-PLAINVIEW</u>	75,494	100.00
			Tex	47,860	63.40
<u>EASTERN SOUTH DAKOTA</u>	291,996	100.00	N Mex-(Okla)	27,634	36.60
S Dak	209,267	71.67			
Minn	62,207	21.30	<u>MEMPHIS</u>	308,398	100.00
Iowa	20,522	7.03	Tenn	114,606	37.16
			Miss	97,655	31.67
<u>GEORGIA</u>	1,528,034	100.00	Ark	40,272	13.06
Ga	1,198,059	78.41	Mo	23,297	7.55
Tenn	119,300	7.81	Ky	21,843	7.08
Ala-(Md)	84,052	5.50	Ill-(Okla)	10,725	3.48
N Car	70,046	4.58			
S Car	56,156	3.67	<u>MICHIGAN UPPER PENIN.</u>	84,189	100.00
(Va)-(Fla)-(W Va)	421	.03	Mich	74,028	87.93
			Wis	10,161	12.07
<u>GREAT BASIN</u>	770,986	100.00			
Utah	547,618	71.03			
Idaho	206,191	26.74			
Wy	10,533	1.37			
Nev-(Oreg)-(Col)	6,644	.86			

Continued

Table 2.—Sources of milk for Federal milk order marketing areas: Producer deliveries, by marketing area and State, 1977 1/—Con.

Marketing area and State 2/	Producer Deliveries	State as Percentage of market	Marketing area and State 2/	Producer Deliveries	State as Percentage of market
	1,000 lb.	Percent		1,000 lb.	Percent
<u>MIDDLE ATLANTIC</u>	<u>5,697,157</u>	<u>100.00</u>	<u>OREGON-WASHINGTON</u>	<u>1,407,258</u>	<u>100.00</u>
Pa	3,025,566	53.11	Oreg	832,798	59.18
Md	1,478,405	25.95	Wash	470,880	33.46
Va	691,398	12.13	Idaho	85,447	6.07
N J	225,666	3.96	Calif	18,133	1.29
Del	127,113	2.23			
W Va	118,281	2.08	<u>PADUCAH</u>	<u>120,887</u>	<u>100.00</u>
N Y-N Car	30,728	.54	Ky	70,880	58.63
<u>NASHVILLE</u>	<u>585,978</u>	<u>100.00</u>	Tenn	35,021	28.97
Tenn	438,341	74.81	Mo-(Ill)	14,986	12.40
Ky	144,414	24.64	<u>PUGET SOUND</u>	<u>1,677,018</u>	<u>100.00</u>
Miss-(Mo)-(Ill)	3,223	.55	Wash	1,677,018	100.00
<u>NEBRASKA-WESTERN IOWA</u>	<u>1,091,933</u>	<u>100.00</u>	<u>RED RIVER VALLEY</u>	<u>130,977</u>	<u>100.00</u>
Neb	567,399	51.96	Okla-(Tex)	130,977	100.00
Iowa	211,917	19.41			
Minn	163,833	15.01	<u>RIO GRANDE VALLEY</u>	<u>420,657</u>	<u>100.00</u>
S Dak	120,043	10.99	N Mex	309,466	73.56
Kan-(Mo)	28,741	2.63	Aris	49,251	11.71
<u>NEOSHO VALLEY</u>	<u>6,793</u>	<u>100.00</u>	Tex	47,101	11.20
Mo	3,526	51.91	Col	13,924	3.31
Kan-(Okla)	3,267	48.09	(Utah)-(Okla)	915	.22
<u>NEW ENGLAND</u>	<u>4,993,216</u>	<u>100.00</u>	<u>ST. LOUIS-OZARKS</u>	<u>1,804,800</u>	<u>100.00</u>
Vt	1,891,681	37.89	Mo	1,177,016	65.22
N Y	1,361,796	27.27	Ill	525,102	29.09
Conn	593,380	11.88	Ark	43,634	2.42
Mass	529,369	10.60	Iowa	40,524	2.25
N H	305,996	6.13	Okla	11,571	.64
Maine	258,230	5.17	Kan	6,953	.38
R I	52,764	1.06	<u>SOUTHEASTERN FLORIDA</u>	<u>762,773</u>	<u>100.00</u>
<u>NEW ORLEANS-MISSISSIPPI</u>	<u>1,099,993</u>	<u>100.00</u>	Fla	741,547	97.22
Miss	585,931	53.27	Ga	21,226	2.78
La	473,515	43.05	<u>SOUTHERN ILLINOIS</u>	<u>1,095,410</u>	<u>100.00</u>
Ark	28,102	2.55	Ill	425,952	38.89
Ala	6,962	.63	Wis	324,498	29.62
Tex-(Tenn)-(Mo)	5,483	.50	Minn	171,298	15.64
<u>NEW YORK-NEW JERSEY</u>	<u>9,622,488</u>	<u>100.00</u>	Iowa	118,903	10.85
N Y	6,948,004	72.21	Mo	50,893	4.65
Pa	2,386,907	24.80	Ind	3,866	.35
N J	283,143	2.94	<u>SOUTHERN MICHIGAN</u>	<u>4,179,409</u>	<u>100.00</u>
(Md)-(Vt)-(W Va)-(Mass)	4,434	.05	Mich	4,000,027	95.71
<u>OHIO VALLEY</u>	<u>3,155,853</u>	<u>100.00</u>	Wis	139,643	3.34
Ohio	1,970,754	62.45	Ind	34,617	.83
Ind	411,018	13.02	Ohio	5,122	.12
Ky	341,276	10.81			
Mich	203,361	6.44	<u>TAMPA BAY</u>	<u>538,387</u>	<u>100.00</u>
W Va	108,004	3.42	Fla	536,450	99.64
Wis	94,498	3.00	(Ala)-(Ga)	1,937	.36
Va	19,480	.62	<u>TENNESSEE VALLEY</u>	<u>1,159,776</u>	<u>100.00</u>
Ill	7,462	.24	Tenn	694,420	59.87
<u>OKLAHOMA METROPOLITAN</u>	<u>833,603</u>	<u>100.00</u>	Va	262,678	22.65
Okla	630,908	75.68	Ky	185,755	16.02
Kan	71,815	8.62	Ga	9,504	.82
Mo	65,480	7.86	N Car-(W Va)	7,419	.64
Ark	45,388	5.44			
Tex	18,592	2.23			
(N Mex)-(Col)-(La)	1,420	.17			

Table 2.—Sources of milk for Federal milk order marketing areas: Producer deliveries, by marketing area and State, 1977 ^{1/}—Con.

Marketing area and State 2/	Producer Deliveries	State as Percentage of market	Marketing area and State 2/	Producer Deliveries	State as Percentage of market
	<u>1,000 lb.</u>	<u>Percent</u>		<u>1,000 lb.</u>	<u>Percent</u>
<u>TEXAS</u>	<u>3,457,285</u>	<u>100.00</u>	<u>UPPER MIDWEST</u>	<u>6,996,929</u>	<u>100.00</u>
Tex	3,088,360	89.33	Minn	3,799,804	54.31
Kan	160,988	4.66	Wis	2,940,247	42.02
Mo	79,266	2.29	N Dak	216,339	3.09
Okla	77,105	2.23	S Dak	32,076	.46
N Mex	24,411	.71	Iowa	8,463	.12
La	11,210	.32			
Ark	10,348	.30	<u>WESTERN COLORADO</u>	<u>72,566</u>	<u>100.00</u>
Neb-(Ariz)	5,597	.16	Col	69,506	95.78
			(Utah)-(Idaho)	3,060	4.22
<u>TEXAS PANHANDLE</u>	<u>103,600</u>	<u>100.00</u>			
Okla	43,645	42.13	<u>WICHITA</u>	<u>343,153</u>	<u>100.00</u>
N Mex	32,253	31.13	Kan	308,092	89.78
Tex-(Kan)	27,702	26.74	Neb	25,501	7.43
			Okla-(Mo)	9,560	2.79
<u>UPPER FLORIDA</u>	<u>662,591</u>	<u>100.00</u>			
Fla	620,252	93.61			
Ga	27,154	4.10			
Ala	10,607	1.60			
Tenn	4,196	.63			
(Md)-(Miss)-(Ky)	382	.06			

^{1/} Total deliveries of milk by producers in each State to handlers regulated under Federal milk orders.

^{2/} For some marketing areas, deliveries from some States have been combined. The States are listed by decreasing proportions of deliveries to the marketing areas. States in parenthesis delivered less than three million pounds to the marketing area.

^{3/} The data for Central Arkansas and Fort Smith have been combined in order to mask restricted data.

^{4/} Effective May 1, 1977, the Cedar Rapids-Iowa City, Des Moines, North Central Iowa, and Quad Cities-Dubuque marketing areas were merged and expanded to form Iowa. Prior to this change, the data represent the summation of the four merged marketing areas.

Table 3.—Sources of milk for Federal milk order marketing areas: Producer deliveries, by region and State, 1977, 1974, and 1969 1/

Region and State 2/	1977		1974		1969	
	Producer deliveries	State as Percentage of region	Producer deliveries	State as Percentage of region	Producer deliveries	State as Percentage of region
	1,000 lb.	Percent	1,000 lb.	Percent	1,000 lb.	Percent
<u>NEW ENGLAND</u>						
Vermont	4,993,216	100.00	4,674,721	100.00	4,730,455	100.00
New York	1,891,681	37.89	1,746,069	37.35	1,700,302	35.94
Connecticut	1,361,796	27.27	1,214,893	25.99	1,214,650	25.68
Massachusetts	593,380	11.88	580,130	12.41	641,387	13.56
New Hampshire	529,369	10.60	521,822	11.16	561,675	11.87
Maine	305,996	6.13	290,301	6.21	310,782	6.57
Rhode Island	258,230	5.17	260,240	5.57	227,664	4.81
	52,764	1.06	61,266	1.31	73,995	1.57
<u>MIDDLE ATLANTIC</u>						
New York	15,319,645	100.00	14,112,710	100.00	14,755,836	100.00
Pennsylvania	6,948,004	45.35	6,888,081	48.81	7,527,503	51.01
Maryland	5,412,473	35.33	4,525,852	32.07	4,388,398	29.74
Virginia	1,480,826	9.67	1,395,660	9.89	1,398,619	9.48
New Jersey	691,398	4.51	575,846	4.08	517,230	3.51
Delaware	508,809	3.32	517,576	3.67	716,072	4.85
West Virginia	127,113	.83	115,543	.82	109,115	.74
Vt-Mass-NC	118,580	.78	91,935	.65	76,719	.52
	32,442	.21	2,217	.01	22,180	.15
<u>SOUTH ATLANTIC</u>						
Florida	3,491,785	100.00	3,672,082	100.00	2,538,602	100.00
Georgia	1,898,385	54.37	1,789,104	48.72	1,385,043	54.56
Tennessee	1,246,439	35.70	1,144,708	31.17	739,593	29.13
Alabama	123,496	3.54	215,057	5.86	128,316	5.05
North Carolina	96,153	2.75	4/ 199,568	4/ 5.44	37,964	4/ 1.50
South Carolina	70,046	2.00	62,409	1.70	31,383	1.24
Md-Va-W Va-Miss-Ky	56,156	1.61	42,378	1.15	12,159	.48
	5/ 1,110	5/ .03	218,858	5.96	204,144	8.04
<u>EAST NORTH CENTRAL</u>						
Wisconsin	25,557,903	100.00	22,496,933	100.00	20,777,370	100.00
Michigan	10,310,024	40.34	8,401,525	37.34	7,146,799	34.40
Ohio	4,376,874	17.12	3,981,441	17.70	3,812,963	18.35
Indiana	3,949,351	15.45	3,738,872	16.62	3,688,709	17.75
Illinois	1,952,195	7.04	1,819,460	8.09	1,832,596	8.82
Pennsylvania	1,442,750	5.64	1,349,713	6.00	1,471,790	7.08
Kentucky	1,294,898	5.07	1,232,266	5.48	1,278,914	6.16
Iowa	1,255,711	4.91	1,149,474	5.11	1,047,632	5.04
West Virginia	305,952	1.20	211,163	.94	42,018	.20
New York	196,958	.77	200,253	.89	196,774	.95
Minnesota	183,271	.72	132,206	.59	88,894	.43
Missouri	176,349	.69	180,535	.80	86,233	.41
Maryland	50,893	.20	39,496	.17	29,022	.14
Virginia	43,197	.17	40,501	.18	50,988	.25
Tennessee	19,480	.08	17,294	.08	0	0
	0	0	2,734	.01	4,038	.02
<u>WEST NORTH CENTRAL</u>						
Minnesota	13,267,344	100.00	9,910,810	100.00	7,800,027	100.00
Wisconsin	4,448,236	33.53	3,208,913	32.38	1,661,512	21.34
Iowa	3,006,653	22.66	1,410,525	14.23	1,148,644	14.73
Missouri	1,604,716	12.09	1,338,330	13.50	1,293,501	16.58
Kansas	1,513,162	11.40	1,469,888	14.83	1,312,443	16.83
Nebraska	819,388	6.18	737,101	7.44	1,015,837	13.02
Illinois	620,527	4.68	611,726	6.17	493,565	6.33
South Dakota	539,710	4.07	566,688	5.72	537,742	6.89
North Dakota	6/ 434,777	6/ 3.28	374,508	3.78	218,720	2.80
Arkansas	216,339	1.63	165,477	1.67	98,718	1.27
Okla-Wy-Col	43,634	.33	22,401	.23	2,986	.04
	20,202	.15	5,253	.05	13,359	.17

Continued

Table 3.—Sources of milk for Federal milk order marketing areas: Producer deliveries, by region and State, 1977, 1974, and 1969 ^{1/}—Con.

Region and State ^{2/}	1977		1974		1969	
	Producer deliveries	State as Percentage of region	Producer deliveries	State as Percentage of region	Producer deliveries	State as Percentage of region
	1,000 lb.	Percent	1,000 lb.	Percent	1,000 lb.	Percent
EAST SOUTH CENTRAL						
Tennessee	2,175,039	100.00	1,510,692	100.00	1,961,018	100.00
Kentucky	1,282,388	58.96	1,060,617	70.21	1,092,627	55.72
Virginia	422,892	19.44	231,778	15.34	212,904	10.86
Mississippi	262,678	12.08	0	0	0	0
Arkansas	100,856	4.64	121,049	8.01	579,029	29.53
Missouri	40,272	1.85	55,894	3.70	17,370	.88
Illinois	36,215	1.66	12,961	.86	12,814	.65
Georgia	12,670	.58	4,389	.29	0	0
North Carolina	9,504	.44	10,708	.71	38,771	1.98
W Va-Okla-Al-Tex-Kan-La	7,116	.33	0	0	0	0
Iowa-Wis-Minn	448	.02	2,298	.15	7,503	.38
	0	0	10,998	.73	0	0
WEST SOUTH CENTRAL						
Texas	6,709,096	100.00	5,748,740	100.00	4,908,310	100.00
Louisiana	3,217,780	47.96	3,165,515	55.07	2,719,448	55.40
Oklahoma	1,035,788	15.44	649,073	11.29	606,525	12.36
Mississippi	885,585	13.20	904,345	15.73	949,602	19.35
Arkansas	633,390	9.44	170,192	2.96	135,913	2.77
Kansas	424,713	6.33	355,504	6.18	369,112	7.52
Missouri	233,564	3.48	326,181	5.67	55,030	1.12
New Mexico	180,561	2.69	114,834	2.00	22,068	.45
Alabama	85,076	1.27	50,686	.88	46,840	.95
Neb-Ariz-Tenn-Col	6,962	.10	0	0	0	0
	5,677	.09	12,410	.22	3,772	.08
MOUNTAIN						
Arizona	3,085,069	100.00	2,742,195	100.00	2,078,435	100.00
Colorado	861,411	27.92	745,164	27.17	501,939	26.15
Utah	723,897	23.46	704,131	25.68	694,602	33.42
New Mexico	630,281	20.43	611,806	22.31	453,027	21.80
Idaho	309,669	10.04	250,938	9.15	199,933	9.62
Nevada	224,165	7.27	132,470	4.83	38,128	1.83
Nebraska	107,394	3.48	75,332	2.75	8/	8/
California	63,551	2.06	31,706	1.16	3,897	.19
Texas	53,256	1.73	55,901	2.04	53,538	8/ 2.58
Kansas	47,101	1.53	69,771	2.54	71,073	3.42
Wyoming	27,328	.88	17,930	.65	7,651	.37
South Dakota	18,512	.60	21,089	.77	29,613	1.42
Oreg-Okla	13,957	.45	10,351	.38	17,145	.82
Minn-Iowa-N Dak	4,547	.15	5,842	.21	7,889	.38
	0	0	9,764	.36	0	0
PACIFIC						
Washington	3,372,473	100.00	2,945,881	100.00	1,478,611	100.00
Oregon	2,377,670	70.50	2,113,504	71.75	1,432,745	96.90
Idaho	832,798	24.69	735,621	24.97	0	0
Montana	123,775	3.67	83,747	2.84	42,765	2.89
California	9/ 20,097	.60	6,228	.21	3,101	.21
	18,133	.54	6,781	.23	0	0

^{1/} Total deliveries of milk by producers in each State to handlers regulated under Federal milk orders, grouped into regions.

^{2/} States whose producers marketed milk under the Federal orders located in the region. Regional totals include receipts in new markets established during the period in addition to changes in the individual markets due to expansion, contraction, merger, or termination.

^{3/} Includes data for New York. The data were combined in order to mask restricted data.

^{4/} Includes data for Kentucky. The data were combined in order to mask restricted data.

^{5/} Includes data for Georgia. The data were combined in order to mask restricted data.

^{6/} Includes data for Wyoming. The data were combined in order to mask restricted data.

^{7/} Includes data for Alabama. The data were combined in order to mask restricted data.

^{8/} The data for Nevada and California were combined in order to mask restricted data.

^{9/} Includes data for Oregon. The data were combined in order to mask restricted data.

Adjusting In-Area Sales Data for Calendar Composition*

The trend in sales of fluid milk products is one of the more important statistics used to assess the current dairy situation. Tables 8 and 9 of this publication present sales of whole milk items, lowfat and skim milk items, and the total of these in marketing areas as geographically defined by each Federal milk order market. These sales figures reflect not only variation due to trend, but also variations due to seasonality, calendar composition, and randomness. The effect of seasonality is minimized by comparing monthly data for the current year with the same month of the previous year. Since the adjustment process described in this article removes most of the variation due to calendar composition, the adjusted sales data generated by this process can be used to measure trend.

Variation in sales data due to calendar composition results because the number of the types of days--Sundays, Mondays, etc.--that occur in a particular month vary from year to year. For example, in 1977, January had five Saturdays, Sundays, and Mondays whereas, in 1978, January had five Sundays, Mondays, and Tuesdays. In comparing the two months, 1977 had an extra Saturday and 1978 had an extra Tuesday. Since there is daily variation in fluid milk sales data, sales in January 1977 can be expected to be different than sales in January 1978, because sales on Saturdays are different than sales on Tuesdays.

Therefore, the key to accounting for monthly calendar variation in fluid milk sales lies in estimating day-to-day variation during the week. A procedure called the 31-30 Day Difference Method was used to develop a set of daily weights which eliminate most of the variation due to calendar composition. ^{1/} These weights are shown in table A.

Table A.--Index of daily variation in weekly in-area sales

<u>Days</u>	<u>Index</u>		
	<u>Whole Milk Items</u>	<u>Lowfat and Skim Milk Items</u>	<u>Total Fluid Milk Items</u>
Sunday	0.0913	-0.1267	0.0306
Monday	1.2260	1.3306	1.2454
Tuesday	1.0334	1.1363	1.0738
Wednesday	1.0118	0.7983	0.9592
Thursday	1.2318	1.1525	1.2044
Friday	1.1868	1.4759	1.2663
Saturday	1.2189	1.2331	1.2203

These indices show how sales on a particular day of the week compare to an average sales day. For example, sales of whole milk items on a Sunday are 9.13 percent of an average sales day whereas sales on a Friday are 118.68 percent of an average sales day.

Monthly Adjustment Factors

To derive factors for adjusting monthly data, the sum of the daily weights for each type of month 2/ was divided by the number of days in that month. For example, a 31-day month beginning on a Sunday has a total weight of 30.3402 for lowfat and skim milk items which, when divided by 31.0, yields an adjustment factor of 0.9787. The adjustment factors for the other types of months are shown in table B.

Table B.--Factors for Adjusting Monthly In-Area Sales for Variations Due to Calendar Composition

Adjustment Factors

First day of month	: Whole Milk Items		: Lowfat and Skim Milk Items		: Total Fluid Milk Items	
	: 31-day months		: 31-day months		: 31-day months	
	: 30-day months		: 30-day months		: 30-day months	
Sunday	0.9791	0.9772	0.9787	0.9735	0.9790	0.9759
Monday	1.0087	1.0087	1.0086	1.0156	1.0090	1.0106
Tuesday	1.0089	1.0015	1.0028	.9978	1.0077	1.0011
Wednesday	1.0139	1.0081	1.0138	.9984	1.0139	1.0055
Thursday	1.0206	1.0140	1.0278	1.0209	1.0223	1.0157
Friday	.9838	1.0135	.9865	1.0236	.9844	1.0162
Saturday	.9850	.9770	.9818	.9702	.9837	.9750

The adjustment factor for all 28-day Februaries is 1.0000. 3/

These adjustment factors reflect how sales in a particular type of month compare to sales in a month in which all the days are average sales days. For example, since the adjustment factor for a 31-day month beginning on a Sunday for total fluid milk items is 0.9790, sales of these items during such a month are lower than during an average-sales-day month. Therefore, sales during such a month need to be adjusted upward before comparisons to a previous year can be made on a comparable basis. Monthly in-area sales are adjusted to a comparable year-to-year basis by dividing the reported sales by the respective adjustment factor. Table C provides a convenient means of finding the factor applicable to any specific month from 1977-79. Table C is shown on the next page.

A word of caution: The daily weights and the monthly adjustment factors derived from them were based on in-area sales of whole milk items, lowfat and skim milk items, and the total of these in the combined marketing areas. They are intended to apply only to combined market sales data. They may not be the best weights and adjustment factors to apply to individual market data or to individual products.

An explanation of the 31-30 Day Difference Method and an evaluation of the weights obtained are contained in an informal Dairy Division report entitled "Adjusting In-Area Fluid Milk Sales Data for Calendar Composition". You can obtain a copy of this report by writing to the Chief, Market Information Branch, Dairy Division, Agricultural Marketing Service, U.S. Department of Agriculture, Washington, DC 20250.

Table C.--Factors for Adjusting In-Area Sales of Whole milk, Lowfat and Skim Milk Items, and the Total of These for Calendar Composition, by Months, 1977 through 1979

<u>Whole Milk Items</u>			
	<u>Adjustment factors</u>		
<u>Month</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>
January	0.9850	0.9791	1.0087
February	1.0000	1.0000	1.0000
March	1.0089	1.0139	1.0206
April	1.0135	.9770	.9772
May	.9791	1.0087	1.0089
June	1.0081	1.0140	1.0135
July	.9838	.9850	.9791
August	1.0087	1.0089	1.0139
September	1.0140	1.0135	.9770
October	.9850	.9791	1.0087
November	1.0015	1.0081	1.0140
December	1.0206	.9838	.9850
Year	1.0006	.9975	1.0006

<u>Lowfat and Skim Milk Items</u>			
	<u>Adjustment factors</u>		
<u>Month</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>
January	0.9818	0.9787	1.0086
February	1.0000	1.0000	1.0000
March	1.0028	1.0138	1.0278
April	1.0236	.9702	.9735
May	.9787	1.0086	1.0028
June	.9984	1.0209	1.0236
July	.9865	.9818	.9787
August	1.0086	1.0028	1.0138
September	1.0209	1.0236	.9702
October	.9818	.9787	1.0086
November	.9978	.9984	1.0209
December	1.0278	.9865	.9818
Year	1.0006	.9969	1.0009

Total Fluid Milk Items
Adjustment factors

<u>Month</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>
January	0.9837	0.9790	1.0090
February	1.0000	1.0000	1.0000
March	1.0077	1.0139	1.0223
April	1.0162	.9750	.9759
May	.9790	1.0090	1.0077
June	1.0055	1.0157	1.0162
July	.9844	.9838	.9790
August	1.0090	1.0077	1.0139
September	1.0157	1.0162	.9750
October	.9837	.9790	1.0090
November	1.0011	1.0055	1.0157
December	1.0223	.9844	.9837
<u>Year</u>	<u>1.0006</u>	<u>.9973</u>	<u>1.0007</u>

Comparing Sales in Different Months

A further application of calendar composition adjustment factors is in comparing in-area sales in different months of the same or different years. To accomplish this, it is necessary to employ seasonal indexes as well as calendar composition adjustment factors. Such indexes based on seasonal patterns of the last 10 years are given in table D. These seasonal indices are shown two ways: (1) based on daily average sales, which presents a truer depiction of seasonal variations, and (2) based on total sales, which takes into account the number of days in the month.

Table D.--Seasonal Indexes of In-Area Sales of Whole Milk Items, Lowfat and Skim Milk Items, and the Total of These, based on Data for 1968 through 1977

Month	: Whole Milk		:: Lowfat and Skim		:: Total Fluid	
	: Items		:: Milk Items		:: Milk Items	
	: Daily Avg.		: Daily Avg.		: Daily Avg.	
	: Sales	: Sales	: Sales	: Sales	: Sales	: Sales
January	1.0427	1.0630	1.0323	1.0524	1.0405	1.0608
February	1.0337	.9518	1.0339	.9520	1.0344	.9525
March	1.0267	1.0467	1.0341	1.0543	1.0290	1.0490
April	1.0111	.9976	1.0228	1.0090	1.0144	1.0008
May	.9859	1.0051	.9865	1.0057	.9859	1.0051
June	.9152	.9029	.9515	.9387	.9240	.9115
July	.9094	.9270	.9372	.9555	.9154	.9332
August	.9359	.9540	.9525	.9710	.9390	.9573
September	1.0343	1.0204	1.0059	.9924	1.0273	1.0135
October	1.0526	1.0731	1.0266	1.0466	1.0463	1.0667
November	1.0384	1.0245	1.0173	1.0036	1.0333	1.0194
December	1.0141	1.0339	.9994	1.0188	1.0105	1.0302

In order to compare sales in two different months of the same or different years, it is necessary to divide the sales figures by the respective seasonal factors and then by the appropriate calendar composition factors. The two adjusted sales figures can then be compared directly and any difference would reflect only the effects of trend and random variation.

For example, how do January 1978 in-area sales of total fluid milk items compare with sales of these items in April 1978? The procedure is as follows:

(1) For January 1978:

- a. divide in-area sales by the January seasonal factor
 $3,073 \div 1.0608 = 2,897$ million pounds
- b. divide by the January 1978 calendar composition factor
 $2,897 \div 0.9790 = 2,959$ million pounds

(2) For April 1978:

- a. divide in-area sales by the April seasonal factor
 $2,868 \div 1.0008 = 2,866$ million pounds
- b. divide by the April 1978 calendar composition factor
 $2,866 \div 0.9750 = 2,939$ million pounds

Comparing the adjusted sales figures for January 1978, 2,959 million pounds, to the adjusted figure for April 1978, 2,939 million pounds, indicated an upward trend between the two months.

A word of caution: The seasonal indexes, like the monthly adjustment factors, are based on in-area sales for combined markets and may not be the best index to apply to individual market data or to individual products within the groups. Also the procedure for comparing sales is only applicable to sales for the same group of markets.

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1/ For a more detailed description of this procedure see FMOS-134, issued April 1971.

2/ The type of month can vary depending on which day the month begins and how many days are in the month.

3/ The above factors may be applied either to total monthly sales or daily average sales.

MAJOR ORDER ACTIONS, MAY 1978

Suspensions:

Middle Atlantic - May 3 (43 FR 18987). This action suspends for the period April 1 through August 1978 the provision that at least 50 percent of a distributing plant's receipts be disposed of as Class I milk.

Upper Midwest - May 5 (43 FR 19341). This action extends for an additional 12 months (May 1978 through April 1979) a prior suspension that removed the provision that handlers make a partial payment to producers for whom a cooperative association is not collecting payment by the 25th day of the month.

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